Form 5500-SF

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Short Form Annual Return/Report of Small Employee Benefit Plan

This form is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA), and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).

▶ **Complete all entries in accordance with the instructions to the Form 5500-SF.**

OMB Nos. 1210-0110
1210-0089

2025

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2025 or fiscal plan year beginning 01/01/2025 and ending 12/31/2025

A This return/report is for: [X] a single-employer plan [ ] a multiple-employer plan (not multiemployer) (Pension Plan filers checking this box must attach Schedule MEP. Other plans must attach a list of participating employer information in accordance with the form instructions.)

B This return/report is [ ] the first return/report [ ] the final return/report
[ ] an amended return/report [ ] a short plan year return/report (less than 12 months)

C Check box if filing under: [X] Form 5558 [ ] automatic extension [ ] DFVC program
[ ] special extension (enter description)

D If the plan is a collectively-bargained plan, check here ▶ [ ]

E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here ▶ [ ]

Part II Basic Plan Information—enter all requested information

1a Name of plan
TRINSEO LLC DEFINED BENEFIT PLAN FOR CERTAIN LEGACY EMPLOYEES OF ARKEMA INC

1b Three-digit plan number (PN) ▶ 002

1c Effective date of plan 05/03/2021

2a Plan sponsor's name (employer, if for a single-employer plan)
Mailing address (include room, apt., suite no. and street, or P.O. Box)
City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions)
TRINSEO LLC

440 EAST SWEDESFORD ROAD, SUITE 301
WAYNE, PA 19087

2b Employer Identification Number (EIN) 80-0512509

2c Sponsor's telephone number 856-739-3865

2d Business code (see instructions) 325200

3a Plan administrator's name and address [X] Same as Plan Sponsor.

3b Administrator's EIN

3c Administrator's telephone number

4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report.
a Sponsor's name
c Plan Name

4b EIN

4d PN

5a Total number of participants at the beginning of the plan year	**5a**	65
b Total number of participants at the end of the plan year	**5b**	59
c(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item)	**5c(1)**	
c(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**5c(2)**	
d(1) Total number of active participants at the beginning of the plan year	**5d(1)**	46
d(2) Total number of active participants at the end of the plan year	**5d(2)**	40
e Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	**5e**	0

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/13/2026	ROBERTA AVILA
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor

6a Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.) [X] Yes [ ] No

b Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.) [X] Yes [ ] No

If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.

c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)? [X] Yes [ ] No [ ] Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 588793. (See instructions.)

Part III Financial Information

7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	11785526	12017445
b Total plan liabilities	7b		
c Net plan assets (subtract line 7b from line 7a)	7c	11785526	12017445
8 Income, Expenses, and Transfers for this Plan Year		**(a) Amount**	**(b) Total**
a Contributions received or receivable from: (1) Employers	8a(1)	1379066	
(2) Participants	8a(2)	0	
(3) Others (including rollovers)	8a(3)	0	
b Other income (loss)	8b	1401673	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		2780739
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d	2254380	
e Certain deemed and/or corrective distributions (see instructions)	8e	0	
f Administrative service providers (salaries, fees, commissions)	8f	0	
g Other expenses	8g	294440	
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		2548820
i Net income (loss) (subtract line 8h from line 8c)	8i		231919
j Transfers to (from) the plan (see instructions)	8j		

Part IV Plan Characteristic Codes

9a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions:
1A 3H

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

Part V Compliance Questions

10 During the plan year:		Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program)	10a		X	
b Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)	10b		X	
c Was the plan covered by a fidelity bond?	10c	X		10000000
d Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	10d		X	
e Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.)	10e		X	
f Has the plan failed to provide any benefit when due under the plan?	10f		X	
g Did the plan have any participant loans? (If "Yes," enter amount as of year-end.)	10g		X	
h If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	10h		X	
i If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3	10i			

Part VI Pension Funding Compliance

11 Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and lines 11a and b below.) If this is a defined contribution pension plan, leave line 11 blank and complete line 12 below. [X] Yes [ ] No

a Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 | **11a** | 0

b **PBGC missed contribution reporting requirements.** If the plan is covered by PBGC and the amount reported on line 11a is greater than $0, has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

- [ ] Yes.
- [ ] No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.
- [ ] No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.
- [ ] No. Other. Provide explanation _____

12 Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? (If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.) If this is a defined benefit pension plan, leave line 12 blank and complete line 11 above. [ ] Yes [X] No

a If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions, and enter the date of the letter ruling granting the waiver. Month _____ Day _____ Year _____

If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.

b Enter the minimum required contribution for this plan year	**12b**	
c Enter the amount contributed by the employer to the plan for this plan year	**12c**	
d Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount)	**12d**	
e Will the minimum funding amount reported on line 12d be met by the funding deadline?		[ ] Yes [ ] No [ ] N/A

Part VII Plan Terminations and Transfers of Assets

13a Has a resolution to terminate the plan been adopted in any plan year?		[ ] Yes [X] No
a If "Yes," enter the amount of any plan assets that reverted to the employer this year	**13a**	
b Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		[ ] Yes [X] No

c If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

13c(1) Name of plan(s):	**13c(2)** EIN(s)	**13c(3)** PN(s)

Part VIII IRS Compliance Questions

14a Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules? [X] Yes [ ] No

14b If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).

- [ ] Design-based safe harbor method
- [ ] "Prior year" ADP test
- [ ] "Current year" ADP test
- [X] N/A

15 If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter ___/___/_____ (MM/DD/YYYY) and the Opinion Letter serial number_____.

SCHEDULE SB (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Single-Employer Defined Benefit Plan Actuarial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

2025

This Form is Open to Public Inspection

For calendar plan year 2025 or fiscal plan year beginning 01/01/2025 and ending 12/31/2025

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of $1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan
TRINSEO LLC DEFINED BENEFIT PLAN FOR CERTAIN LEGACY EMPLOYEES OF ARKEMA INC

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF
TRINSEO LLC

D Employer Identification Number (EIN)
80-0512509

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

F Prior year plan size: [X] 100 or fewer [ ] 101-500 [ ] More than 500

Part I Basic Information

1 Enter the valuation date: Month 01 Day 01 Year 2025

2 Assets:

a Market value	**2a**	11780794
b Actuarial value	**2b**	11839847

3 Funding target/participant count breakdown

	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	10	1494217	1494217
b For terminated vested participants	9	773800	773800
c For active participants	46	11307610	11582072
d Total	65	13575627	13850089

4 If the plan is in at-risk status, check the box and complete lines (a) and (b) [ ]

a Funding target disregarding prescribed at-risk assumptions	**4a**	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	**4b**	

5 Effective interest rate	**5**	5.37 %
6 Target normal cost		
a Present value of current plan year accruals	**6a**	583923
b Expected plan-related expenses	**6b**	275000
c Target normal cost	**6c**	858923

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE

Signature of actuary

09/25/2026
Date

WILLIAM M. DEGOTHSEIR
Type or print name of actuary

26-07985
Most recent enrollment number

WILLIS TOWERS WATSON US LLC
Firm name

215-246-6000
Telephone number (including area code)

PO BOX 674401
HOUSTON, TX 77267
Address of the firm

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions [ ]

Part II Beginning of Year Carryover and Prefunding Balances

		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9	Amount remaining (line 7 minus line 8)	0	0
10	Interest on line 9 using prior year's actual return of 2.22 %	0	0
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		1822
b(1)	Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 5.14 %		94
b(2)	Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c	Total available at beginning of current plan year to add to prefunding balance		1916
d	Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	0

Part III Funding Percentages

14	Funding target attainment percentage	14	85.48 %
15	Adjusted funding target attainment percentage	15	85.48 %
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	91.93 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV Contributions and Liquidity Shortfalls

18 Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
04/14/2025	250000	0	09/11/2026	393000	0
07/14/2025	250000	0			
10/10/2025	235000	0			
01/13/2026	235000	0			
04/13/2026	8067	0			
07/15/2026	7999	0			
			Totals ► 18(b)	1379066	18(c) 0

19	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
a	Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
b	Contributions made to avoid restrictions adjusted to valuation date	19b	0
c	Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	1312261

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? [X] Yes [ ] No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? [X] Yes [ ] No

c If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:

a Segment rates:	1st segment: 5.07 %	2nd segment: 5.31 %	3rd segment: 5.50 %	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	4
22 Weighted average retirement age	**22**	62

23 Mortality table(s) (see instructions) ☒ Prescribed - combined ☐ Prescribed - separate ☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No

25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No

26 Demographic and benefit information

a Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

b Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ☐ Yes ☒ No

27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	**27**	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	**28**	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	**29**	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	**30**	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):

a Target normal cost (line 6c)	**31a**	858923
b Excess assets, if applicable, but not greater than line 31a	**31b**	0

32 Amortization installments:	Outstanding Balance	Installment
a Net shortfall amortization installment	2010242	218097
b Waiver amortization installment	0	0

33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____)_and the waived amount	**33**	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	**34**	1077020

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	0	0

36 Additional cash requirement (line 34 minus line 35)	**36**	1077020
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	**37**	1312261
38 Present value of excess contributions for current year (see instructions)		
a Total (excess, if any, of line 37 over line 36)	**38a**	235241
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	0
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	**39**	0
40 Unpaid minimum required contributions for all years	**40**	0

Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)

41 If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. ☐ 2019 ☐ 2020 ☒ 2021

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26a
Schedule of Active Participant Data as of January 1, 2025

	Attained Years of Credited Service[1]										
Attained Age	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Total
Under 25	0	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	0	0	0	0	0	0
35-39	0	0	0	0	0	0	0	0	0	0	0
40-44	0	1	0	0	0	0	0	0	0	0	1
45-49	0	0	3	0	0	0	1	0	0	0	4
50-54	0	0	4	0	0	0	4	0	0	0	8
55-59	0	0	2	0	1	0	3	2	9	0	17
60-64	0	1	5	1	0	0	0	1	5	1	14
65-69	0	0	0	0	0	0	0	0	1	0	1
70 & over	0	0	0	0	0	0	0	0	1	0	1
Total	0	2	14	1	1	0	8	3	16	1	46

[1] Age and service for purposes of determining category are based on exact (not rounded) values.

Plan Name: Trinseo LLC Defined Benefit Plan for Certain Legacy Employees of Arkema Inc.
EIN / PN: 80-0512509/002
Plan Sponsor: Trinseo LLC
Valuation Date: January 1, 2025

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V
Statement of Actuarial Assumptions/Methods

Economic Assumptions

Interest rate basis

• Applicable month	September
• Interest rate basis	Segment Rates

Interest rates	**Reflecting Stabilization**	**Not Reflecting Stabilization**
• First segment rate	5.07%	5.07%
• Second segment rate	5.31%	5.33%
• Third segment rate	5.50%	5.36%
• Effective interest rate	5.37%	5.33%

Lump sum interest rate

• Non-417(e) lump sum interest rate	4.90%
• 417(e) lump sum interest rate	Segment rates

Annual rates of increase

• Compensation	3.00%
• Future Social Security wage bases	3.25%
• Statutory limits on compensation	2.25%

Plan-related expenses $275,000

As permitted by law, rates reflecting stabilization are used to determine the funding target and target normal cost, and thus the minimum required contribution under IRC §430 for the plan. Because these assumptions are subject to a corridor based on average interest rates over a 25-year period, they may differ from (and currently are higher than) current market interest rates, and may be inconsistent with other economic assumptions used in the valuation.

SCHEDULE SB ATTACHMENTS

Demographic Assumptions

Inclusion date

The valuation date coincident with or next following the date on which the employee becomes a participant.

New or rehired employees

It was assumed there will be no new or rehired employees.

Mortality

- Healthy

Single blended table of rates for non-annuitants and annuitants based on Pri-2012 "Employees" and "Healthy Annuitants" (participants and beneficiaries combined) tables, respectively, without collar or amount adjustments and then projected forward with a static projection as specified in the regulations under §1.430(h)(3)-1 using the IRS adjusted Scale MP-2021 (i.e., MP-2021 with no mortality improvement for 2020-2023 and future mortality improvement capped at 0.78% for years after 2024).

- Disabled

Same as healthy mortality.

Termination (not due to disability or retirement) rates

The rates at which participants are assumed to terminate employment by age are shown below:

Representative Termination Rates

Percentage leaving during the year	
Attained Age	Rate
40	8.3%
45	7.5%
50	6.5%
55	5.0%
60	5.0%
65	N/A

Disability rates

The rates at which participants become disabled by age are shown below:

Representative Disability Rates

Percentage becoming disabled during the year	
Attained Age	Rate
40	0.158%
45	0.259%
50	0.448%
55	0.845%
60	1.204%
65	N/A

SCHEDULE SB ATTACHMENTS

Retirement

Rates varying by age, average age 62.

For purposes of determining the Funding Target and Target Normal Cost (both disregarding at-risk assumptions), the rates at which participants retire by age are shown below.

Percentage assumed to retire during the year	
Age	Rate
55-59	6%
60-61	10%
62-64	18%
65-69	25%
70+	100%

Benefit commencement dates:

- Preretirement death benefit — The later of the death of the active participant or the date the participant would have attained age 55
- Deferred vested benefit — Upon termination of employment if electing a lump sum, and at age 65 if electing annuity
- Disability benefit — Upon disablement
- Retirement benefit — Upon termination of employment

Form of payment

Rohm & Haas participants (active)

If early retirement eligible at termination, 75% are assumed to elect Rohm & Haas Past Service Benefit as a lump sum and the Remainder Benefit as a life annuity. For the other 25%, a lump sum option is assumed at the following rates based on age: 53% for ages 55 through 62 and 58% for ages 63 and over; life annuity assumed for all others.

If not early retirement eligible at termination, 50% are assumed to elect a lump sum option and 50% are assumed to elect a life annuity.

All other participants (active)

If early retirement eligible at termination, a lump sum option is assumed at the following rates based on age: 53% for ages 55 through 62 and 58% for ages 63 and over; life annuity assumed for all others.

If not early retirement eligible at termination, 50% are assumed to elect a lump sum option and 50% are assumed to elect a life annuity.

Deferred vested participants

10% are assumed to elect a lump sum option at commencement; life

	annuity assumed for all others. Calculation of Lump Sum: Lump sums were valued using implied lump sums based on the greater of i) the lump sum calculated using 417(e) interest rates and applicable mortality and ii) the lump sum calculated using the non-417(e) interest rates above and the Uninsured Pensioner 1994 Table projected to 2002.
Percent married	80% of males; 80% of females. These assumptions are used to value pre-retirement surviving spouse benefits
Spouse age	Wife three years younger than husband
Covered pay	Assumed plan compensation for the year beginning on the valuation date was determined as pensionable pay for the prior year increased with the assumed annual rate of increase on compensation
Timing of benefit payments	Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on date of decrement.

Methods

Valuation date	First day of the plan year.
Funding target	Present value of accrued benefits as required by regulations under IRC §430.
Target normal cost	Present value of benefits expected to accrue during the plan year plus plan-related expenses expected to be paid from plan assets during the plan year as required by regulations under IRC §430.
Decrement timing	The approach used is called rounded middle of year (rounded MOY) decrement timing. Most events are assumed to occur at the middle of year during which the eligibility condition will be met or the start/end date will occur. For death and disability decrements, the rate applied is based on the participant's rounded age (nearest integer age) at the beginning of the year, to align with the methodology generally used to create those rate tables. For retirement and withdrawal decrements: the age is generally the participant's rounded age at the middle of the year.
Actuarial value of assets	Average of the fair market value of assets on the valuation date and 12 and 24 months preceding the valuation date, adjusted for contributions, benefits, administrative expenses and expected earnings with such expected earnings limited as described in IRS Notice 2009-22). The average asset value must be within 10% of market value, including discounted contributions receivable (discounted using the effective interest rate for the prior plan year). The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce

	smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets.
Benefits not valued	All benefits described in the Plan Provisions section of this report were valued. However, while approximately 10% of participants are eligible for early retirement beginning as early as age 50 (with most of the eligible group reaching age 55 within the next two years), retirement prior to age 55 is not assumed. WTW has reviewed the plan provisions with the plan sponsor and, based on that review, is not aware of any significant benefits required to be valued that were not.

Sources of Data and Other Information

The plan sponsor furnished participant data as of January 1, 2025. Information on assets, contributions and plan provisions was supplied by the plan sponsor. Data and other information were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the plan sponsor, assumptions or estimates were made when data were not available, and the data was adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date.

We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

SCHEDULE SB (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Single-Employer Defined Benefit Plan Actuarial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

2025

This Form is Open to Public Inspection

For calendar plan year 2025 or fiscal plan year beginning 01/01/2025 and ending 12/31/2025

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of $1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan
Trinseo LLC Defined Benefit Plan for Certain Legacy Employees of Arkema Inc

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF
Trinseo LLC

D Employer Identification Number (EIN)
80-0512509

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

F Prior year plan size: [X] 100 or fewer [ ] 101-500 [ ] More than 500

Part I Basic Information

1 Enter the valuation date: Month 01 Day 01 Year 2025

2 Assets:

a Market value	**2a**	11,780,794
b Actuarial value	**2b**	11,839,847

3 Funding target/participant count breakdown

	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	10	1,494,217	1,494,217
b For terminated vested participants	9	773,800	773,800
c For active participants	46	11,307,610	11,582,072
d Total	65	13,575,627	13,850,089

4 If the plan is in at-risk status, check the box and complete lines (a) and (b) [ ]

a Funding target disregarding prescribed at-risk assumptions	**4a**	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	**4b**	

5 Effective interest rate	**5**	5.37%
6 Target normal cost		
a Present value of current plan year accruals	**6a**	583,923
b Expected plan-related expenses	**6b**	275,000
c Target normal cost	**6c**	858,923

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE

William M. DeGothseir WMD
Signature of actuary

9/25/2026
Date

William M. DeGothseir
Type or print name of actuary

2607985
Most recent enrollment number

Willis Towers Watson US LLC
Firm name

215-246-6000
Telephone number (including area code)

PO Box 674401
Houston TX 77267
Address of the firm

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions [ ]

Part II Beginning of Year Carryover and Prefunding Balances

		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9	Amount remaining (line 7 minus line 8)	0	0
10	Interest on line 9 using prior year's actual return of 2.22%	0	0
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		1,822
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 5.14%		94
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
	c Total available at beginning of current plan year to add to prefunding balance		1,916
	d Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	0

Part III Funding Percentages

14	Funding target attainment percentage	14	85.48 %
15	Adjusted funding target attainment percentage	15	85.48 %
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	91.93 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV Contributions and Liquidity Shortfalls

18 Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
04/14/2025	250,000				
07/14/2025	250,000				
10/10/2025	235,000				
01/13/2026	235,000				
04/13/2026	8,067				
07/15/2026	7,999				
09/11/2026	393,000				
			Totals ► 18(b)	1,379,066	18(c) 0

19	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
	a Contributions allocated toward unpaid minimum required contributions from prior years.	19a	0
	b Contributions made to avoid restrictions adjusted to valuation date	19b	0
	c Contributions allocated toward minimum required contribution for current year adjusted to valuation date.	19c	1,312,261

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? [X] Yes [ ] No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? [X] Yes [ ] No

c If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
5.07 %	5.31 %	5.50%	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	4
22 Weighted average retirement age	**22**	62

23 Mortality table(s) (see instructions) ☒ Prescribed - combined ☐ Prescribed - separate ☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No

25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No

26 Demographic and benefit information

a Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

b Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ☐ Yes ☒ No

27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	**27**	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	**28**	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	**29**	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	**30**	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):

a Target normal cost (line 6c)	**31a**	858,923
b Excess assets, if applicable, but not greater than line 31a	**31b**	0

32 Amortization installments:

	Outstanding Balance	Installment
a Net shortfall amortization installment	2,010,242	218,097
b Waiver amortization installment	0	0

33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	**33**	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	**34**	1,077,020

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	0	0

36 Additional cash requirement (line 34 minus line 35)	**36**	1,077,020
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	**37**	1,312,261
38 Present value of excess contributions for current year (see instructions)		
a Total (excess, if any, of line 37 over line 36)	**38a**	235,241
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	0
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	**39**	0
40 Unpaid minimum required contributions for all years	**40**	0

Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)

41 If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. ☐ 2019 ☐ 2020 ☒ 2021

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2025

Each employee is assumed to retire in accordance with the table of retirement rates. The proportion of employees expected to retire at each potential retirement age is shown below. The average retirement age is 62.

(A)	(B)	(C)	(D)	(E)
Age	**Retirement Rate**	**Hypothetical Number of Employees**	**Number of Employees Retiring (B)*(C)**	**(A)*(D)**
55	0.06	1,000	60	3,300
56	0.06	940	56	3,158
57	0.06	884	53	3,023
58	0.06	831	50	2,892
59	0.06	781	47	2,765
60	0.1	734	73	4,404
61	0.1	661	66	4,032
62	0.18	594	107	6,629
63	0.18	487	88	5,523
64	0.18	400	72	4,608
65	0.25	328	82	5,330
66	0.25	246	62	4,059
67	0.25	184	46	3,082
68	0.25	138	35	2,346
69	0.25	104	26	1,794
70	1	78	78	5,460
Total			1000	62,405
Average Age at Retirement (Rounded)				62

Plan Name: Trinseo LLC Defined Benefit Plan for Certain Legacy Employees of Arkema Inc.
EIN / PN: 80-0512509/002
Plan Sponsor: Trinseo LLC
Valuation Date: January 1, 2025

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V
Statement of Actuarial Assumptions/Methods

Economic Assumptions

Interest rate basis

• Applicable month	September
• Interest rate basis	Segment Rates

Interest rates	**Reflecting Stabilization**	**Not Reflecting Stabilization**
• First segment rate	5.07%	5.07%
• Second segment rate	5.31%	5.33%
• Third segment rate	5.50%	5.36%
• Effective interest rate	5.37%	5.33%

Lump sum interest rate

• Non-417(e) lump sum interest rate	4.90%
• 417(e) lump sum interest rate	Segment rates

Annual rates of increase

• Compensation	3.00%
• Future Social Security wage bases	3.25%
• Statutory limits on compensation	2.25%

Plan-related expenses $275,000

As permitted by law, rates reflecting stabilization are used to determine the funding target and target normal cost, and thus the minimum required contribution under IRC §430 for the plan. Because these assumptions are subject to a corridor based on average interest rates over a 25-year period, they may differ from (and currently are higher than) current market interest rates, and may be inconsistent with other economic assumptions used in the valuation.

SCHEDULE SB ATTACHMENTS

Demographic Assumptions

Inclusion date

The valuation date coincident with or next following the date on which the employee becomes a participant.

New or rehired employees

It was assumed there will be no new or rehired employees.

Mortality

- Healthy

Single blended table of rates for non-annuitants and annuitants based on Pri-2012 "Employees" and "Healthy Annuitants" (participants and beneficiaries combined) tables, respectively, without collar or amount adjustments and then projected forward with a static projection as specified in the regulations under §1.430(h)(3)-1 using the IRS adjusted Scale MP-2021 (i.e., MP-2021 with no mortality improvement for 2020-2023 and future mortality improvement capped at 0.78% for years after 2024).

- Disabled

Same as healthy mortality.

Termination (not due to disability or retirement) rates

The rates at which participants are assumed to terminate employment by age are shown below:

Representative Termination Rates

Percentage leaving during the year	
Attained Age	Rate
40	8.3%
45	7.5%
50	6.5%
55	5.0%
60	5.0%
65	N/A

Disability rates

The rates at which participants become disabled by age are shown below:

Representative Disability Rates

Percentage becoming disabled during the year	
Attained Age	Rate
40	0.158%
45	0.259%
50	0.448%
55	0.845%
60	1.204%
65	N/A

SCHEDULE SB ATTACHMENTS

Retirement

Rates varying by age, average age 62.

For purposes of determining the Funding Target and Target Normal Cost (both disregarding at-risk assumptions), the rates at which participants retire by age are shown below.

Percentage assumed to retire during the year	
Age	Rate
55-59	6%
60-61	10%
62-64	18%
65-69	25%
70+	100%

Benefit commencement dates:

- Preretirement death benefit — The later of the death of the active participant or the date the participant would have attained age 55
- Deferred vested benefit — Upon termination of employment if electing a lump sum, and at age 65 if electing annuity
- Disability benefit — Upon disablement
- Retirement benefit — Upon termination of employment

Form of payment

Rohm & Haas participants (active)

If early retirement eligible at termination, 75% are assumed to elect Rohm & Haas Past Service Benefit as a lump sum and the Remainder Benefit as a life annuity. For the other 25%, a lump sum option is assumed at the following rates based on age: 53% for ages 55 through 62 and 58% for ages 63 and over; life annuity assumed for all others.

If not early retirement eligible at termination, 50% are assumed to elect a lump sum option and 50% are assumed to elect a life annuity.

All other participants (active)

If early retirement eligible at termination, a lump sum option is assumed at the following rates based on age: 53% for ages 55 through 62 and 58% for ages 63 and over; life annuity assumed for all others.

If not early retirement eligible at termination, 50% are assumed to elect a lump sum option and 50% are assumed to elect a life annuity.

Deferred vested participants

10% are assumed to elect a lump sum option at commencement; life

	annuity assumed for all others. Calculation of Lump Sum: Lump sums were valued using implied lump sums based on the greater of i) the lump sum calculated using 417(e) interest rates and applicable mortality and ii) the lump sum calculated using the non-417(e) interest rates above and the Uninsured Pensioner 1994 Table projected to 2002.
Percent married	80% of males; 80% of females. These assumptions are used to value pre-retirement surviving spouse benefits
Spouse age	Wife three years younger than husband
Covered pay	Assumed plan compensation for the year beginning on the valuation date was determined as pensionable pay for the prior year increased with the assumed annual rate of increase on compensation
Timing of benefit payments	Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on date of decrement.

Methods

Valuation date	First day of the plan year.
Funding target	Present value of accrued benefits as required by regulations under IRC §430.
Target normal cost	Present value of benefits expected to accrue during the plan year plus plan-related expenses expected to be paid from plan assets during the plan year as required by regulations under IRC §430.
Decrement timing	The approach used is called rounded middle of year (rounded MOY) decrement timing. Most events are assumed to occur at the middle of year during which the eligibility condition will be met or the start/end date will occur. For death and disability decrements, the rate applied is based on the participant's rounded age (nearest integer age) at the beginning of the year, to align with the methodology generally used to create those rate tables. For retirement and withdrawal decrements: the age is generally the participant's rounded age at the middle of the year.
Actuarial value of assets	Average of the fair market value of assets on the valuation date and 12 and 24 months preceding the valuation date, adjusted for contributions, benefits, administrative expenses and expected earnings with such expected earnings limited as described in IRS Notice 2009-22). The average asset value must be within 10% of market value, including discounted contributions receivable (discounted using the effective interest rate for the prior plan year). The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce

	smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets.
Benefits not valued	All benefits described in the Plan Provisions section of this report were valued. However, while approximately 10% of participants are eligible for early retirement beginning as early as age 50 (with most of the eligible group reaching age 55 within the next two years), retirement prior to age 55 is not assumed. WTW has reviewed the plan provisions with the plan sponsor and, based on that review, is not aware of any significant benefits required to be valued that were not.

Sources of Data and Other Information

The plan sponsor furnished participant data as of January 1, 2025. Information on assets, contributions and plan provisions was supplied by the plan sponsor. Data and other information were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the plan sponsor, assumptions or estimates were made when data were not available, and the data was adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date.

We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V
Summary of Plan Provisions

Plan Provisions

The plan was adopted and effective May, 2021 as part of the acquisition of Altuglas LLC from Arkema Inc. The plan was spun off from the Arkema Inc. Retirement Benefits Plan and all provisions prior to the spinoff were retained. Special plan provisions apply to former participants in the Rohm & Haas Pension Plan, as described below.

Covered employees	All employees acquired from Arkema Inc. who participated in the Arkema Inc. Retirement Benefits Plan prior to the acquisition. The plan is closed to all other employees
Participation date	Date of becoming a covered employee under the Arkema Inc. Retirement Benefits Plan

Definitions

Vesting service	One year for each 1,000-hour calendar year of employment
Pension service	Years and months of service as a covered employee. Employees who were not age 50 or older on December 31, 2007 do not earn pension service after December 31, 2007
Pensionable pay	Hourly employees: Straight-time hourly rate in effect at the end of the calendar year, multiplied by 2,080 Collectively bargained employees: Same as hourly employees, except that ½ of the amount paid in a calendar year as a cost-of-living bonus is included to the extent required under the applicable collective bargaining agreement. For employees working less than 2,000 hours in a calendar year, ½ of the cost-of-living bonus shall be increased by multiplying by the ratio of 2,080 to the actual number of straight time hours worked Salaried employees: Annual rate of compensation in effect at the end of the calendar year Pensionable pay does not include the following: bonuses (except cost-of-living bonuses as detailed above), commissions, overtime payments, premiums of any kind, payments toward business expenses incurred by the employee, or company contributions made to any employee benefit plan maintained for the benefit of the employee
Average earnings	The average of the highest five consecutive calendar years of pensionable pay during the ten-year period ending on the earlier of the participant's termination date or retirement date

SCHEDULE SB ATTACHMENTS

Integration level	Covered Compensation for individuals who reach age 65 in a calendar year (as rounded), less $7,800
Rule of 70	A participant with at least 10 years of service and whose sum of age and years of service is at least 70 satisfies the Rule of 70
Normal retirement date (NRD)	First of month coinciding with or next following the attainment of age 65
Monthly pension benefit	One-twelfth of 1.1% of average earnings up to the integration level and 1.5% of average earnings in excess of the integration level for up to 35 years of pension service, plus 1.25% of average earnings for each year in excess of 35 years of pension service (with a minimum of $50)

Eligibility for Benefits

Normal retirement	Retirement on NRD
Early retirement	Retirement before NRD and on or after both attaining age 55 and completing ten years of vesting service
Postponed retirement	Retirement after NRD but no later than a participant's Required Beginning Date (April 1 following the calendar year in which participant reaches age 70 ½)
Deferred vested termination	Termination for reasons other than death or retirement after completing five years of vesting service
Disability	Permanent and total disability prior to NRD, and participant is at least age 55 and receiving a Social Security disability benefit
Preretirement death benefit	Death while eligible for normal, early, postponed, or deferred vested retirement benefits, with a surviving spouse, commencing no earlier than the participant's age 55

Benefits Paid Upon the Following Events

Normal retirement	The monthly pension benefit determined as of NRD
Early retirement	The monthly pension benefit determined as of the early retirement date, reduced 3.0% for each year of payment before age 62
Postponed retirement	The monthly pension benefit determined as of the actual retirement date

Deferred vested termination	For participants who terminate after age 50 and with at least 25 years of service or who terminate after age 55, the monthly pension benefit determined as of the termination date, reduced 3.0% for each year of payment before age 62. For all other participants who terminate before age 55, the monthly pension benefit determined as of the termination date, reduced 5.5% for each year that payment precedes the participant's NRD.
Disablement	The monthly pension benefit determined as of the date of the commencement (with continued service, as applicable, until the earlier of commencement or NRD, and pensionable pay equal to the rate in effect at disablement for all years after disablement), reduced 3.0% for each year of payment before age 62
Preretirement death	For participants who meet Rule of 70, the monthly preretirement death benefit is equal to 50% of the monthly pension benefit. For participants who do not meet Rule of 70, the monthly preretirement death benefit is reduced 3.0% for each year of payment before the participant's age 62.

Other Plan Provisions

Forms of payment	Preretirement death benefits are payable only as described above. Monthly pension benefits are paid as described above as a life annuity, if the participant has no spouse as of the date payments begin, or if the participant so elects and the spouse consents. Otherwise, benefits are paid in the form of a 50% joint and survivor annuity option or, if the participant elects and the spouse consents, another actuarially equivalent optional form offered by the plan. Optional forms are a 100% or 75% (and for single participants, 50%) joint and survivor annuity, an age 62 Social Security level income annuity, a lump sum, or (for married participants) a life annuity. If a participant elects a 100%, 75% or 50% joint and survivor annuity, and the participant's named beneficiary dies before the participant reaches age 70, the participant's benefit shall be increased to the amount that would have been paid if a single life annuity had been elected at no cost to the participant. Actuarial equivalence for optional forms (except the lump sum and age 62 Social Security level income annuity options) is based on 5.5% interest and the 1971 TPF&C Forecast Mortality Table with ages set back 1 year for participants and 5 years for beneficiaries. Actuarial equivalence for the age 62 Social Security level income annuity is based on the greater of the annuity determined under both of the following bases: a) The applicable interest rate under 417(e) for the fifth full

month preceding the first day of the plan year and the applicable mortality table under 417(e)

b) 5.5% interest and the applicable mortality table under 417(e)

Actuarial equivalence for lump sums is based on the greater of the lump sum determined under both of the following bases (using deferred lump sum factors):

a) The applicable interest rate under 417(e) for the fifth full month preceding the first day of the plan year and the applicable mortality table under 417(e)

b) The 30-year Treasury rate for August of the preceding year and the Uninsured Pensioner 1994 Table projected to 2002 (blended 50% male/female)

Pension Increases	None
Plan participants' contributions	None
Maximum limits on benefits and pay	All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes take effect. Increases in the dollar limits are not assumed for funding or AFTAP purposes.

Plan Provisions for former participants in the Rohm & Haas Pension Plan

The plan provisions above apply to former participants in the Rohm & Haas Pension Plan, except where described below.

Definitions

Pension service	For purposes of determining the Past Service Benefit, years and months of service as a covered employee prior to the date acquired by Arkema (formerly Elf Atochem North America, Inc.) For all other purposes, years and months of service as a covered employee (including years and months of service for determining the Past Service Benefit)
Average earnings	For purposes of determining the monthly pension benefit under the Rohm & Haas formula, the average of the highest three consecutive calendar years of pensionable pay during the ten-year period ending on the earlier of the participant's termination date or retirement date (the "Basic Earnings Rate") For all other purposes, the average of the highest five consecutive calendar years of pensionable pay during the ten-year period ending on the earlier of the participant's termination

	date or retirement date (“Average Annual Earnings”)
Integration level	For purposes of determining the monthly pension benefit under the Rohm & Haas formula, unrounded Covered Compensation. For all other purposes, Covered Compensation for individuals who reach age 65 in a calendar year (as rounded), less $7,800
Monthly pension benefit	The greater of the monthly pension benefit described above including all service (i.e., including the service with Rohm & Haas) and the Rohm & Haas formula monthly pension benefit described below (with a minimum of $300). The Rohm & Haas formula is one-twelfth of the greater of: a) 1.5% of Basic Earnings Rate for up to 44 years of pension service minus 0.35% of the lesser of Basic Earnings Rate and Covered Compensation (unrounded as described above) for up to 44 years of pension service plus 0.75% of Basic Earnings Rate for each year in excess of 44 years of pension service b) 1.2% of Average Annual Earnings for all years of pension service c) The benefit determined using the greater of a) and b) but only for years of service up to the Rohm & Haas acquisition date plus the benefit determined under the formula described in the main part of this appendix but only for years of service after the acquisition date The monthly pension benefit determined using only years of service up to the Rohm & Haas acquisition date is the Past Service Benefit. The difference between the total monthly pension benefit and the Past Service Benefit is the Remainder Benefit.

Eligibility for Benefits

Early retirement	Retirement before NRD and on or after both attaining age 50 and completing five years of vesting service
Preretirement death benefit	Death while eligible for normal, early, postponed, or deferred vested retirement benefits, with a surviving spouse, commencing no earlier than the participant’s age 50
Supplemental benefits	Retirement after age 60 and completing 15 years of service but no later than three years before Social Security Normal Retirement Age (SSNRA): $400 per month until three years before SSNRA Retirement after age 56 and 30 years of service but no later than age 62: the difference between $1,000 and the early

retirement benefit described below each month (if the early retirement benefit is less than $1,000) until age 62

Benefits Paid Upon the Following Events

Early retirement

The monthly pension benefit determined as of the early retirement date based on the greater of:

a) The early retirement benefit described in the main part of this appendix

b) The Past Service Benefit reduced 6.0% for each year of payment before age 60, and the Remainder Benefit reduced 3.0% for each year of payment before age 62

Deferred vested termination

For participants who terminate after age 50 and with at least 25 years of service or who terminate after age 50, the monthly pension benefit determined as described above for early retirement

For all other participants who terminate before age 50, the monthly pension benefit determined as of the termination date, reduced 5.5% for each year that payment precedes the participant's NRD

Other Plan Provisions

Forms of payment

Preretirement death benefits are payable only as described above, except that a surviving spouse may elect a lump sum payment. Monthly pension benefits are paid as described above as a life annuity, if the participant has no spouse as of the date payments begin, or if the participant so elects and the spouse consents. Otherwise, the Remainder Benefit is available in the forms outlined in the main part of this appendix. The Past Service Benefit is available in the forms outlined in the main part of this appendix (except for the age 62 Social Security level income annuity) plus these additional forms if the participant elects and the spouse consents: a 66 2/3% or 25% joint and survivor annuity or a five-, ten-, fifteen- or twenty-year certain and life annuity.

If a participant elects a 100%, 75%, 66 2/3%, 50% or 25% joint and survivor annuity, and the participant's named beneficiary dies before the participant reaches age 70, the participant's benefit shall be increased to the amount that would have been paid if a single life annuity had been elected at no cost to the participant.

Optional forms based on the Remainder Benefit are determined using the plan's actuarial equivalence definition as outlined in the main part of this appendix.

For optional forms based on the Past Service Benefit:

Actuarial equivalence for optional forms (except the lump sum option) is based on 7.0% interest and the 1984 PBGC Unisex Table.

Actuarial equivalence for lump sums is based on the greater of the lump sum determined under both of the following bases:

a) The applicable interest rate under 417(e) for the fifth full month preceding the first day of the plan year and the applicable mortality table under 417(e)

b) The lesser of (i) the 30-year Treasury rate for August of the preceding year and (ii) the average of the 30-year Treasury rates for June, July and August of the preceding year, and the Uninsured Pensioner 1994 Table projected to 2002 (blended 50% male/female). (If the resulting interest rate is greater than 7%, then 0.5% will be subtracted from the interest rate, but not reduced below 7%.)

Additionally, the lump sum based on the Past Service Benefit shall be determined as the sum of i) the Original Lump Sum, ii) the excess (if any) of the Minimum Lump Sum over the Original Lump Sum and iii) the Risk-Adjusted Subsidized Lump Sum COLA (if any), as defined below:

a) Original Lump Sum: Calculated based on the normal retirement benefit, any applicable early retirement factors and an immediate lump sum factor using actuarial equivalence as described above

b) Minimum Lump Sum: Calculated based on the normal retirement benefit, an annual cost-of-living increase of 1.63% and a deferred lump sum factor using actuarial equivalence as described above

c) Risk-Adjusted Subsidized Lump Sum COLA: Equals 25% of the excess of the lump sum calculated based on the normal retirement benefit, any applicable early retirement factors, an annual cost-of-living increase of 1.63% (with annual increases beginning no earlier than age 60, as described below) and an immediate lump sum factor using actuarial equivalence as described above, over the Minimum Lump Sum (or Original Lump Sum, if larger)

Pension Increases

Annual increases on annuity forms of payment after age 60 equal to the lesser of 3% and the prior year's increase in the United States Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W Revised); increases occur as of March 31st each year. If a participant receives the supplemental benefit requiring age 56 and 30 years of service, the annual

SCHEDULE SB ATTACHMENTS

increase above is delayed one year for each year the early retirement date precedes age 60.

Future Plan Changes

No future plan changes were recognized in determining funding requirements.

Changes in Plan Provisions since Last Actuarial Valuation

There have been no changes in benefits valued since the prior valuation.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26a
Schedule of Active Participant Data as of January 1, 2025

	Attained Years of Credited Service[1]										
Attained Age	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Total
Under 25	0	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	0	0	0	0	0	0
35-39	0	0	0	0	0	0	0	0	0	0	0
40-44	0	1	0	0	0	0	0	0	0	0	1
45-49	0	0	3	0	0	0	1	0	0	0	4
50-54	0	0	4	0	0	0	4	0	0	0	8
55-59	0	0	2	0	1	0	3	2	9	0	17
60-64	0	1	5	1	0	0	0	1	5	1	14
65-69	0	0	0	0	0	0	0	0	1	0	1
70 & over	0	0	0	0	0	0	0	0	1	0	1
Total	0	2	14	1	1	0	8	3	16	1	46

[1] Age and service for purposes of determining category are based on exact (not rounded) values.

Plan Name: Trinseo LLC Defined Benefit Plan for Certain Legacy Employees of Arkema Inc.
EIN / PN: 80-0512509/002
Plan Sponsor: Trinseo LLC
Valuation Date: January 1, 2025

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 32
Schedule of Amortization Bases
as of January 1, 2025

Type of Base	Date Established	Initial Amount	Remaining Amortization Period (Years)	Outstanding Balance	Amortization Payment
Shortfall	01/01/2025	898,351	15.00000	898,351	83,763
Shortfall	01/01/2024	(1,027,024)	14.00000	(956,844)	(93,439)
Shortfall	01/01/2023	679,383	13.00000	605,377	62,218
Shortfall	01/01/2022	113,956	12.00000	96,806	10,531
Shortfall	05/01/2021	1,662,606	11.33333	1,366,552	155,024
Total				2,010,242	218,097

Plan Name: Trinseo LLC Defined Benefit Plan for Certain Legacy Employees of Arkema Inc.
EIN / PN: 80-0512509/002
Plan Sponsor: Trinseo LLC
Valuation Date: January 1, 2025

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2025

Each employee is assumed to retire in accordance with the table of retirement rates. The proportion of employees expected to retire at each potential retirement age is shown below. The average retirement age is 62.

(A)	(B)	(C)	(D)	(E)
Age	**Retirement Rate**	**Hypothetical Number of Employees**	**Number of Employees Retiring (B)*(C)**	**(A)*(D)**
55	0.06	1,000	60	3,300
56	0.06	940	56	3,158
57	0.06	884	53	3,023
58	0.06	831	50	2,892
59	0.06	781	47	2,765
60	0.1	734	73	4,404
61	0.1	661	66	4,032
62	0.18	594	107	6,629
63	0.18	487	88	5,523
64	0.18	400	72	4,608
65	0.25	328	82	5,330
66	0.25	246	62	4,059
67	0.25	184	46	3,082
68	0.25	138	35	2,346
69	0.25	104	26	1,794
70	1	78	78	5,460
Total			1000	62,405
Average Age at Retirement (Rounded)				62

Plan Name: Trinseo LLC Defined Benefit Plan for Certain Legacy Employees of Arkema Inc.
EIN / PN: 80-0512509/002
Plan Sponsor: Trinseo LLC
Valuation Date: January 1, 2025

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V
Summary of Plan Provisions

Plan Provisions

The plan was adopted and effective May, 2021 as part of the acquisition of Altuglas LLC from Arkema Inc. The plan was spun off from the Arkema Inc. Retirement Benefits Plan and all provisions prior to the spinoff were retained. Special plan provisions apply to former participants in the Rohm & Haas Pension Plan, as described below.

Covered employees	All employees acquired from Arkema Inc. who participated in the Arkema Inc. Retirement Benefits Plan prior to the acquisition. The plan is closed to all other employees
Participation date	Date of becoming a covered employee under the Arkema Inc. Retirement Benefits Plan

Definitions

Vesting service	One year for each 1,000-hour calendar year of employment
Pension service	Years and months of service as a covered employee. Employees who were not age 50 or older on December 31, 2007 do not earn pension service after December 31, 2007
Pensionable pay	Hourly employees: Straight-time hourly rate in effect at the end of the calendar year, multiplied by 2,080 Collectively bargained employees: Same as hourly employees, except that ½ of the amount paid in a calendar year as a cost-of-living bonus is included to the extent required under the applicable collective bargaining agreement. For employees working less than 2,000 hours in a calendar year, ½ of the cost-of-living bonus shall be increased by multiplying by the ratio of 2,080 to the actual number of straight time hours worked Salaried employees: Annual rate of compensation in effect at the end of the calendar year Pensionable pay does not include the following: bonuses (except cost-of-living bonuses as detailed above), commissions, overtime payments, premiums of any kind, payments toward business expenses incurred by the employee, or company contributions made to any employee benefit plan maintained for the benefit of the employee
Average earnings	The average of the highest five consecutive calendar years of pensionable pay during the ten-year period ending on the earlier of the participant's termination date or retirement date

SCHEDULE SB ATTACHMENTS

Integration level	Covered Compensation for individuals who reach age 65 in a calendar year (as rounded), less $7,800
Rule of 70	A participant with at least 10 years of service and whose sum of age and years of service is at least 70 satisfies the Rule of 70
Normal retirement date (NRD)	First of month coinciding with or next following the attainment of age 65
Monthly pension benefit	One-twelfth of 1.1% of average earnings up to the integration level and 1.5% of average earnings in excess of the integration level for up to 35 years of pension service, plus 1.25% of average earnings for each year in excess of 35 years of pension service (with a minimum of $50)

Eligibility for Benefits

Normal retirement	Retirement on NRD
Early retirement	Retirement before NRD and on or after both attaining age 55 and completing ten years of vesting service
Postponed retirement	Retirement after NRD but no later than a participant's Required Beginning Date (April 1 following the calendar year in which participant reaches age 70 ½)
Deferred vested termination	Termination for reasons other than death or retirement after completing five years of vesting service
Disability	Permanent and total disability prior to NRD, and participant is at least age 55 and receiving a Social Security disability benefit
Preretirement death benefit	Death while eligible for normal, early, postponed, or deferred vested retirement benefits, with a surviving spouse, commencing no earlier than the participant's age 55

Benefits Paid Upon the Following Events

Normal retirement	The monthly pension benefit determined as of NRD
Early retirement	The monthly pension benefit determined as of the early retirement date, reduced 3.0% for each year of payment before age 62
Postponed retirement	The monthly pension benefit determined as of the actual retirement date

Deferred vested termination	For participants who terminate after age 50 and with at least 25 years of service or who terminate after age 55, the monthly pension benefit determined as of the termination date, reduced 3.0% for each year of payment before age 62. For all other participants who terminate before age 55, the monthly pension benefit determined as of the termination date, reduced 5.5% for each year that payment precedes the participant's NRD.
Disablement	The monthly pension benefit determined as of the date of the commencement (with continued service, as applicable, until the earlier of commencement or NRD, and pensionable pay equal to the rate in effect at disablement for all years after disablement), reduced 3.0% for each year of payment before age 62
Preretirement death	For participants who meet Rule of 70, the monthly preretirement death benefit is equal to 50% of the monthly pension benefit. For participants who do not meet Rule of 70, the monthly preretirement death benefit is reduced 3.0% for each year of payment before the participant's age 62.

Other Plan Provisions

Forms of payment	Preretirement death benefits are payable only as described above. Monthly pension benefits are paid as described above as a life annuity, if the participant has no spouse as of the date payments begin, or if the participant so elects and the spouse consents. Otherwise, benefits are paid in the form of a 50% joint and survivor annuity option or, if the participant elects and the spouse consents, another actuarially equivalent optional form offered by the plan. Optional forms are a 100% or 75% (and for single participants, 50%) joint and survivor annuity, an age 62 Social Security level income annuity, a lump sum, or (for married participants) a life annuity. If a participant elects a 100%, 75% or 50% joint and survivor annuity, and the participant's named beneficiary dies before the participant reaches age 70, the participant's benefit shall be increased to the amount that would have been paid if a single life annuity had been elected at no cost to the participant. Actuarial equivalence for optional forms (except the lump sum and age 62 Social Security level income annuity options) is based on 5.5% interest and the 1971 TPF&C Forecast Mortality Table with ages set back 1 year for participants and 5 years for beneficiaries. Actuarial equivalence for the age 62 Social Security level income annuity is based on the greater of the annuity determined under both of the following bases: a) The applicable interest rate under 417(e) for the fifth full

month preceding the first day of the plan year and the applicable mortality table under 417(e)

b) 5.5% interest and the applicable mortality table under 417(e)

Actuarial equivalence for lump sums is based on the greater of the lump sum determined under both of the following bases (using deferred lump sum factors):

a) The applicable interest rate under 417(e) for the fifth full month preceding the first day of the plan year and the applicable mortality table under 417(e)

b) The 30-year Treasury rate for August of the preceding year and the Uninsured Pensioner 1994 Table projected to 2002 (blended 50% male/female)

Pension Increases	None
Plan participants' contributions	None
Maximum limits on benefits and pay	All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes take effect. Increases in the dollar limits are not assumed for funding or AFTAP purposes.

Plan Provisions for former participants in the Rohm & Haas Pension Plan

The plan provisions above apply to former participants in the Rohm & Haas Pension Plan, except where described below.

Definitions

Pension service	For purposes of determining the Past Service Benefit, years and months of service as a covered employee prior to the date acquired by Arkema (formerly Elf Atochem North America, Inc.) For all other purposes, years and months of service as a covered employee (including years and months of service for determining the Past Service Benefit)
Average earnings	For purposes of determining the monthly pension benefit under the Rohm & Haas formula, the average of the highest three consecutive calendar years of pensionable pay during the ten-year period ending on the earlier of the participant's termination date or retirement date (the "Basic Earnings Rate") For all other purposes, the average of the highest five consecutive calendar years of pensionable pay during the ten-year period ending on the earlier of the participant's termination

	date or retirement date (“Average Annual Earnings”)
Integration level	For purposes of determining the monthly pension benefit under the Rohm & Haas formula, unrounded Covered Compensation. For all other purposes, Covered Compensation for individuals who reach age 65 in a calendar year (as rounded), less $7,800
Monthly pension benefit	The greater of the monthly pension benefit described above including all service (i.e., including the service with Rohm & Haas) and the Rohm & Haas formula monthly pension benefit described below (with a minimum of $300). The Rohm & Haas formula is one-twelfth of the greater of: a) 1.5% of Basic Earnings Rate for up to 44 years of pension service minus 0.35% of the lesser of Basic Earnings Rate and Covered Compensation (unrounded as described above) for up to 44 years of pension service plus 0.75% of Basic Earnings Rate for each year in excess of 44 years of pension service b) 1.2% of Average Annual Earnings for all years of pension service c) The benefit determined using the greater of a) and b) but only for years of service up to the Rohm & Haas acquisition date plus the benefit determined under the formula described in the main part of this appendix but only for years of service after the acquisition date The monthly pension benefit determined using only years of service up to the Rohm & Haas acquisition date is the Past Service Benefit. The difference between the total monthly pension benefit and the Past Service Benefit is the Remainder Benefit.

Eligibility for Benefits

Early retirement	Retirement before NRD and on or after both attaining age 50 and completing five years of vesting service
Preretirement death benefit	Death while eligible for normal, early, postponed, or deferred vested retirement benefits, with a surviving spouse, commencing no earlier than the participant’s age 50
Supplemental benefits	Retirement after age 60 and completing 15 years of service but no later than three years before Social Security Normal Retirement Age (SSNRA): $400 per month until three years before SSNRA Retirement after age 56 and 30 years of service but no later than age 62: the difference between $1,000 and the early

retirement benefit described below each month (if the early retirement benefit is less than $1,000) until age 62

Benefits Paid Upon the Following Events

Early retirement

The monthly pension benefit determined as of the early retirement date based on the greater of:

a) The early retirement benefit described in the main part of this appendix

b) The Past Service Benefit reduced 6.0% for each year of payment before age 60, and the Remainder Benefit reduced 3.0% for each year of payment before age 62

Deferred vested termination

For participants who terminate after age 50 and with at least 25 years of service or who terminate after age 50, the monthly pension benefit determined as described above for early retirement

For all other participants who terminate before age 50, the monthly pension benefit determined as of the termination date, reduced 5.5% for each year that payment precedes the participant's NRD

Other Plan Provisions

Forms of payment

Preretirement death benefits are payable only as described above, except that a surviving spouse may elect a lump sum payment. Monthly pension benefits are paid as described above as a life annuity, if the participant has no spouse as of the date payments begin, or if the participant so elects and the spouse consents. Otherwise, the Remainder Benefit is available in the forms outlined in the main part of this appendix. The Past Service Benefit is available in the forms outlined in the main part of this appendix (except for the age 62 Social Security level income annuity) plus these additional forms if the participant elects and the spouse consents: a 66 2/3% or 25% joint and survivor annuity or a five-, ten-, fifteen- or twenty-year certain and life annuity.

If a participant elects a 100%, 75%, 66 2/3%, 50% or 25% joint and survivor annuity, and the participant's named beneficiary dies before the participant reaches age 70, the participant's benefit shall be increased to the amount that would have been paid if a single life annuity had been elected at no cost to the participant.

Optional forms based on the Remainder Benefit are determined using the plan's actuarial equivalence definition as outlined in the main part of this appendix.

For optional forms based on the Past Service Benefit:

Actuarial equivalence for optional forms (except the lump sum option) is based on 7.0% interest and the 1984 PBGC Unisex Table.

Actuarial equivalence for lump sums is based on the greater of the lump sum determined under both of the following bases:

a) The applicable interest rate under 417(e) for the fifth full month preceding the first day of the plan year and the applicable mortality table under 417(e)

b) The lesser of (i) the 30-year Treasury rate for August of the preceding year and (ii) the average of the 30-year Treasury rates for June, July and August of the preceding year, and the Uninsured Pensioner 1994 Table projected to 2002 (blended 50% male/female). (If the resulting interest rate is greater than 7%, then 0.5% will be subtracted from the interest rate, but not reduced below 7%.)

Additionally, the lump sum based on the Past Service Benefit shall be determined as the sum of i) the Original Lump Sum, ii) the excess (if any) of the Minimum Lump Sum over the Original Lump Sum and iii) the Risk-Adjusted Subsidized Lump Sum COLA (if any), as defined below:

a) Original Lump Sum: Calculated based on the normal retirement benefit, any applicable early retirement factors and an immediate lump sum factor using actuarial equivalence as described above

b) Minimum Lump Sum: Calculated based on the normal retirement benefit, an annual cost-of-living increase of 1.63% and a deferred lump sum factor using actuarial equivalence as described above

c) Risk-Adjusted Subsidized Lump Sum COLA: Equals 25% of the excess of the lump sum calculated based on the normal retirement benefit, any applicable early retirement factors, an annual cost-of-living increase of 1.63% (with annual increases beginning no earlier than age 60, as described below) and an immediate lump sum factor using actuarial equivalence as described above, over the Minimum Lump Sum (or Original Lump Sum, if larger)

Pension Increases

Annual increases on annuity forms of payment after age 60 equal to the lesser of 3% and the prior year's increase in the United States Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W Revised); increases occur as of March 31st each year. If a participant receives the supplemental benefit requiring age 56 and 30 years of service, the annual

SCHEDULE SB ATTACHMENTS

increase above is delayed one year for each year the early retirement date precedes age 60.

Future Plan Changes

No future plan changes were recognized in determining funding requirements.

Changes in Plan Provisions since Last Actuarial Valuation

There have been no changes in benefits valued since the prior valuation.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 32
Schedule of Amortization Bases
as of January 1, 2025

Type of Base	Date Established	Initial Amount	Remaining Amortization Period (Years)	Outstanding Balance	Amortization Payment
Shortfall	01/01/2025	898,351	15.00000	898,351	83,763
Shortfall	01/01/2024	(1,027,024)	14.00000	(956,844)	(93,439)
Shortfall	01/01/2023	679,383	13.00000	605,377	62,218
Shortfall	01/01/2022	113,956	12.00000	96,806	10,531
Shortfall	05/01/2021	1,662,606	11.33333	1,366,552	155,024
Total				2,010,242	218,097

Plan Name: Trinseo LLC Defined Benefit Plan for Certain Legacy Employees of Arkema Inc.
EIN / PN: 80-0512509/002
Plan Sponsor: Trinseo LLC
Valuation Date: January 1, 2025