

202.1 - Polymers (liquid, pellet, and powder forms)

These SRMs are intended for the calibration of instrumentation used in polymer technology science for the determination of molecular weight and molecular weight distribution and as characterized samples for other physical properties of polymers.

For further information see [SP 260-42](#), [SP 260-61](#), [SP 260-144](#), and [SP 260-147](#)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM Description	705a	706a	1473c	1474b	1475a	1476a	1478	1479	1482a	1483a	1484a	1488	1496	2492	2493	2497
	Polystyrene (Narrow Molecular Weight Distribution)	Polystyrene (Broad Molecular Mass Distribution)	Low Density Polyethylene Resin	Polyethylene Resin	Polyethylene Linear	Branched Polyethylene Resin	Polystyrene (Narrow Molecular Weight Distribution)	Polystyrene (Narrow Molecular Weight Distribution)	Linear Polyethylene Narrow Molecular Mass Distribution (Nominal Mass-Average Molar Mass of 13 600 g/mol)	Linear Polyethylene Narrow Molecular Mass Distribution (Nominal Mass-Average Molar Mass of 32 100 g/mol)	Linear Polyethylene	Poly (Methyl Methacrylate) 29 K Narrow Molecular Weight Distribution	Unpigmented Polyethylene Gas Pipe Resin	Bingham Paste Mixture for Rheological Measurements	Bingham Mortar Mixture for Rheological Measurements	Bingham Concrete Mixture for Rheological Measurements
Unit Size	(5 g)	(18 g)	(60 g)	(60 g)	(50 g)	(12 g)	(2 g)	(2 g)	(0.3 g)	(0.3 g)	(0.3 g)	(2 g)	(0.9 kg)	(kit for two batches)	(kit for two batches)	(kit for one batch)

- Certified values are normal font
- Reference values are italicized
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2855	2859	2860	2861
Additive Elements in Polyethylene (3 Levels, 80 g each)	Restricted Elements in Polyvinyl Chloride (25 g)	Phthalates in Polyvinyl Chloride (2 levels, 1 blank; 2 g)	Restricted Elements in Polyvinyl Chloride (25 g)

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202.1(1)- Polymers

SRM	705a	706a	1473c	1474b	1475a	1476a	1478	1479	1482a	1483a	1484a	1488	2885	2886	2887
Description	Polystyrene (Narrow Molecular Weight Distribution)	Polystyrene (Broad Molecular Mass Distribution)	Low Density Polyethylene Resin	Polyethylene Resin	Polyethylene, Linear	Branched Polyethylene Resin	Polystyrene (Narrow Molecular Weight Distribution)	Polystyrene (Narrow Molecular Weight Distribution)	Linear Polyethylene Narrow Molecular Mass Distribution (Nominal Mass-Average Molar Mass of 13 600 g/mol)	Linear Polyethylene Narrow Molecular Mass Distribution (Nominal Mass-Average Molar Mass of 32 100 g/mol)	Linear Polyethylene	Poly (Methyl Methacrylate) 29 K Narrow Molecular Weight Distribution	Polyethylene (Mass-Average Molar Mass [M _w] 6 280 g/mol)	Polyethylene (Mass-Average Molar Mass [M _w] 87 000 g/mol)	Polyethylene (Mass-Average Molar Mass [M _w] 196 400 g/mol)
Unit Size	(5 g)	(18 g)	(60 g)	(60 g)	(50 g)	(12 g)	(2 g)	(2 g)	(0.3 g)	(0.3 g)	(0.3 g)	(2 g)	(0.3 g)	(0.3 g)	(0.3 g)

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202.1(2)- Melt Flow Rate

SRM	1496
Description	Unpigmented Polyethylene Gas Pipe Resin
Unit Size	(0.9 kg)
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202.1(3)- Viscosity

SRM	2492	2493	2497
Description	Bingham Paste Mixture for Rheological Measurements	Bingham Mortar Mixture for Rheological Measurements	Bingham Concrete Mixture for Rheological Measurements
Unit Size	(kit for two batches)	(kit for two batches)	(kit for one batch)

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