

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	Unit Size
705a	Polystyrene (Narrow Molecular Weight Distribution)	5 g
706a	Polystyrene (Broad Molecular Mass Distribution)	18 g
1473c	Low Density Polyethylene Resin	60 g
1474b	Polyethylene Resin	60 g
1475a	Polyethylene, Linear	50 g
1476a	Branched Polyethylene Resin	12 g
1478	Polystyrene (Narrow Molecular Weight Distribution)	2 g
1479	Polystyrene (Narrow Molecular Weight Distribution)	2 g
1482a	Linear Polyethylene Narrow Molecular Mass Distribution (Nominal Mass-Average Molar Mass of 13 600 g/mol)	0.3 g
1483a	Linear Polyethylene Narrow Molecular Mass Distribution (Nominal Mass-Average Molar Mass of 32 100 g/mol)	0.3 g
1488	Poly (Methyl Methacrylate) 29 K Narrow Molecular Weight Distribution	2 g
1496	Unpigmented Polyethylene Gas Pipe Resin	0.9 kg
2492	Bingham Paste Mixture for Rheological Measurements	kit for two batches
2493	Bingham Mortar Mixture for Rheological Measurements	kit for two batches
2497	Bingham Concrete Mixture for Rheological Measurements	kit for one batch
2855	Additive Elements in Polyethylene	3 Levels, 80 g each
2859	Restricted Elements in Polyvinyl Chloride	25 g
2860	Phthalates in Polyvinyl Chloride	2 levels, 1 blank; 2 g
2861	Restricted Elements in Polyvinyl Chloride	25 g
2885	Polyethylene (Mass-Average Molar Mass [M _w] 6 280 g/mol)	0.3 g
2886	Polyethylene (Mass-Average Molar Mass [M _w] 87 000 g/mol)	0.3 g
2887	Polyethylene (Mass-Average Molar Mass [M _w] 196 400 g/mol)	0.3 g

202.1(1) - Polymers

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

202.1(2) - Melt Flow Rate

SRM	Description	Unit Size	Melt Flow Ratae
1473c	Low Density Polyethylene Resin	60 g	1.16 g/10 min
1474b	Polyethylene Resin	60 g	5.01 g/10 min
1475a	Polyethylene, Linear	50 g	2.02 g/10 min
1476a	Branched Polyethylene Resin	12 g	1.23 g/10 min
1496	Unpigmented Polyethylene Gas Pipe Resin	0.9 kg	0.25 g/10 min

202.1(3) - Viscosity

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

- Certified values are normal font
- Non-certified or reference values are italicized
- Non-certified values in parentheses are for information only