

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

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<a href="#">1478</a>	Polystyrene (Narrow Molecular Weight Distribution)	2 g
<a href="#">1479</a>	Polystyrene (Narrow Molecular Weight Distribution)	2 g
<a href="#">1482a</a>	Linear Polyethylene (Narrow Molecular Distribution) Average Molar Mass of 13 600 g/mol	Nominal Mass- 0.3 g
<a href="#">1483a</a>	Linear Polyethylene Narrow Molecular Mass Distribution (Nominal Mass-Average Molar Mass of 32 100 g/mol)	0.3 g
<a href="#">1488</a>	Poly (Methyl Methacrylate) 29 K Narrow Molecular Weight Distribution	2 g
<a href="#">2885</a>	Polyethylene (Mass Average Molar Mass [M <sub>w</sub> ]6 280 g/mol)	0.3 g
<a href="#">2886</a>	Polyethylene (Mass-Average Molar Mass [M <sub>w</sub> ] 87 000 g/mol)	0.3 g
<a href="#">2887</a>	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 Rate
<a href="#">1473c</a>	Low Density Polyethylene Resin	60 g	1.16 g/10 min
<a href="#">1474b</a>	Polyethylene Resin	60 g	5.01 g/10 min
<a href="#">1475a</a>	Polyethylene, Linear	50 g	2.02 g/10 min
<a href="#">1476a</a>	Branched Polyethylene Resin	12 g	1.23 g/10 min
<a href="#">1496</a>	Unpigmented Polyethylene Gas Pipe Resin	0.9 kg	0.25 g/10 min

### 202.1(3) - Viscosity

SRM	Description	Unit Size
<a href="#">2492</a>	Bingham Paste Mixture for Rheological Measurements	kit for two batches
<a href="#">2493</a>	Bingham Mortar Mixture for Rheological Measurements	kit for two batches
<a href="#">2497</a>	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