

Supreme Petrochem SC 201LV General Purpose Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Molded, Unreinforced

Material Notes:

Characteristics: High molecular weight grade, Good flow properties along with good mechanical strength, Easy process ability with good mold release properties. Processing: Injection molding. Applications: Suitable for large volume clear molded products, Refrigerator components like crisper trays, egg shells etc. Tooth brush, Tooth brush containers, lay flat boxes, Ball pen barrels, geometrical appliances etc. Material Status: Commercial : Active. Agency Ratings: FDA 21 CFR 177.1640. Information provided by Supreme Petrochem LTD

Order this product through the following link:

http://www.lookpolymers.com/polymer_Supreme-Petrochem-SC-201LV-General-Purpose-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	2.5 g/10 min @Load 5.00 kg, Temperature 200 °C	2.5 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	48.1 MPa	6980 psi	50 mm/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	50 mm/min; ASTM D638
Flexural Strength	80.4 MPa @Thickness 3.20 mm	11700 psi @Thickness 0.126 in	ASTM D790
Flexural Modulus	2.65 GPa @Thickness 3.20 mm	384 ksi @Thickness 0.126 in	ASTM D790
Izod Impact, Notched	0.200 J/cm @Thickness 3.20 mm	0.375 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	ASTM D648
Vicat Softening Point	96.0 °C	205 °F	1kg / 120°C; ASTM D1525
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 260 °C	356 - 500 °F	

Processing Properties

Metric 50.0 A°C

English 10 A°F

Comments

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