

Supreme Petrochem SC 201E General Purpose Polystyrene

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

Material Notes:

Characteristics Very high molecular weight High heat grade Good melt strength Good clarity and mechanical strength Processing Extrusion Molding Applications Extruded embossed sheets, OPS, foamed meat trays, insulation board Food and medical applications like disposable pipette, tablet packaging bottles, ampoule trays, caps & closures 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-201E-General-Purpose-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	1.5 g/10 min @Load 5.00 kg, Temperature 200 Â°C	1.5 g/10 min @Load 11.0 lb, Temperature 392 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	52.0 MPa	7540 psi	50 mm/min; ASTM D638
Elongation at Break	2.5 %	2.5 %	50 mm/min; ASTM D638
Flexural Strength	97.1 MPa @Thickness 3.20 mm	14100 psi @Thickness 0.126 in	ASTM D790
Flexural Modulus	2.94 GPa @Thickness 3.20 mm	427 ksi @Thickness 0.126 in	ASTM D790
Izod Impact, Notched	0.180 J/cm @Thickness 3.20 mm	0.337 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	87.0 Â°C	189 Â°F	ASTM D648
Vicat Softening Point	106 Â°C	223 Â°F	1kg / 120Â°C; ASTM D1525
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

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

Processing Properties	Metric	English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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