

Supreme Petrochem SP 6630 Antistatic Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Transparent Grade

Material Notes:

Characteristics Easy flow Excellent transparency Processing Extrusion Applications For glossy cap layer on HIPS To prevent dust patterns on thermoformed products Material Status: Commercial : Active Agency Ratings: Information provided by Supreme Petrochem LTD

Order this product through the following link:

http://www.lookpolymers.com/polymer_Supreme-Petrochem-SP-6630-Antistatic-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	15 g/10 min @Load 5.00 kg, Temperature 200 °C	15 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	47.6 MPa	6900 psi	50 mm/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	50 mm/min; ASTM D638
Flexural Strength	83.4 MPa @Thickness 3.20 mm	12100 psi @Thickness 0.126 in	ASTM D790
Flexural Modulus	2.84 GPa @Thickness 3.20 mm	412 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)	74.0 °C	165 °F	ASTM D648
Vicat Softening Point	93.0 °C	199 °F	1kg / 120°C; ASTM D1525
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+11 - 1.00e+12 ohm	1.00e+11 - 1.00e+12 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	<= 230 °C	<= 446 °F	
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	
Drying Temperature	60.0 - 80.0 °C	140 - 176 °F	(2 hrs) Pre drying temp.

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