

Supreme Petrochem SP 6410 0003 Abrasion Resistant Polystyrene

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

Material Notes:

Characteristics Self lubricating, abrasion resistant Low specific Gravity Suitable for multicavity thin wall parts Excellent thermal stability and easy to color Processing Injection molding Applications Audio/Video tape reel hubs Small bearings to support rotation plastic parts PC swivels and other office equipment Small parts requiring good wear resistance in low load conditions 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-6410-0003-Abrasion-Resistant-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Water Absorption	0.10 %	0.10 %	24 hr immersion; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm @Thickness 3.20 mm	0.0040 - 0.0070 in/in @Thickness 0.126 in	24 hr.; ASTM D792
Melt Flow	6.0 g/10 min @Load 5.00 kg, Temperature 200 Â°C	6.0 g/10 min @Load 11.0 lb, Temperature 392 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	70	70	ASTM D785
Tensile Strength at Break	31.4 MPa	4550 psi	50 mm/min; ASTM D638
Elongation at Break	30 %	30 %	50 mm/min; ASTM D638
Flexural Strength	46.6 MPa @Thickness 3.20 mm	6760 psi @Thickness 0.126 in	ASTM D790
Flexural Modulus	2.16 GPa @Thickness 3.20 mm	313 ksi @Thickness 0.126 in	ASTM D790
Izod Impact, Notched	0.900 J/cm @Thickness 3.20 mm	1.69 ft-lb/in @Thickness 0.126 in	ASTM D256
Coefficient of Friction, Dynamic	<= 0.20	<= 0.20	ASTM D1894

Thermal Properties	Metric	English	Comments
Hot Ball Pressure Test	75.0 Â°C	167 Â°F	IEC335-1

Thermal Properties <small>Deflection Temperature at 1.8 MPa (100 psi)</small>	Metric <small>82.0 Å°C</small>	English <small>180 Å°F</small>	ASTM D648 Comments
Vicat Softening Point	101 Å°C	214 Å°F	1kg / 120Å°C; ASTM D1525
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 260 Å°C	356 - 500 Å°F	
Mold Temperature	40.0 - 60.0 Å°C	104 - 140 Å°F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China