

## Supreme Petrochem SP 6530 Antistatic Polystyrene

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

### Material Notes:

Characteristics Prevents dust patterns due to static charges Eliminates need of coatings Fully colorable Processing Injection molding Extrusion & Forming Applications Meter housings Foodservice ware Office accessories Electrical Enclosures 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-6530-Antistatic-Polystyrene.php](http://www.lookpolymers.com/polymer_Supreme-Petrochem-SP-6530-Antistatic-Polystyrene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	18 g/10 min @Load 5.00 kg, Temperature 200 Å°C	18 g/10 min @Load 11.0 lb, Temperature 392 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	21.1 MPa	3060 psi	50 mm/min; ASTM D638
Elongation at Break	40 %	40 %	50 mm/min; ASTM D638
Flexural Strength	39.2 MPa @Thickness 3.20 mm	5690 psi @Thickness 0.126 in	ASTM D790
Flexural Modulus	1.91 GPa @Thickness 3.20 mm	277 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

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	71.0 Å°C	160 Å°F	ASTM D648
Vicat Softening Point	89.0 Å°C	192 Å°F	1kg / 120Å°C; ASTM D1525
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 - 1.00e+15 ohm-cm	1.00e+14 - 1.00e+15 ohm-cm	ASTM D257

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Processing Properties	Metric	English	Comments
Melt Temperature	$\leq 230 \text{ }^{\circ}\text{C}$	$\leq 446 \text{ }^{\circ}\text{F}$	
Mold Temperature	40.0 - 60.0 $^{\circ}\text{C}$	104 - 140 $^{\circ}\text{F}$	
Drying Temperature	60.0 - 80.0 $^{\circ}\text{C}$	140 - 176 $^{\circ}\text{F}$	( 2 hrs) Pre drying temp.

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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