

SUPREME Specialty PS SP6530

Specialty Polystyrene

Supreme Petrochem Ltd.

Message:

SUPREME Specialty PS SP6530 is a special polystyrene product. It is available in North America, Africa and the Middle East, Europe or Asia Pacific. The application areas of SUPREME Specialty PS SP6530 include housing and commercial/office supplies. The main characteristics are: flame retardant/rated flame.

General Information			
Features	Antistatic property		
	Good coloring		
Uses	Electrical housing		
	Business equipment		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, 3.20 mm, Injection Molded)	22.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, 3.20 mm, Injection Molded)	40	%	ASTM D638
Flexural Modulus (23°C, 3.20 mm, Injection Molded)	1950	MPa	ASTM D790
Flexural Strength (23°C, 3.20 mm, Injection Molded)	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm, Injection Molded)	71.0	°C	ASTM D648
Vicat Softening Temperature	89.0	°C	ASTM D1525 ³
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	ASTM D257
Volume Resistivity (23°C, 3.20 mm)	1.0E+14	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Additional Information			

Surface Resistivity, ASTM D257, 23°C, 3.2 mm, injection molded: 1E13 to 1E14 ohmsVolume Resistivity, ASTM D257, 23°C, 3.2mm, injection molded: 1E14 to 1E15 ohm-cm

Injection	Nominal Value	Unit
Drying Temperature	60.0 - 80.0	°C
Drying Time	2.0	hr
Processing (Melt) Temp	< 230	°C
Mold Temperature	40.0 - 60.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	60.0 - 80.0	°C
Drying Time	2.0	hr
Melt Temperature	< 230	°C
Extrusion instructions		
Mold Temp: 40 to 60°C		
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	标准 B (120°C/h), 压力1 (10N)	

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