

SUPREME Specialty PS SP6520

Specialty Polystyrene

Supreme Petrochem Ltd.

Message:

SUPREME Specialty PS SP6520 is a special polystyrene product. It can be processed by extrusion, thermoforming or injection molding, and is available in North America, Africa and the Middle East, Europe or the Asia-Pacific region. The application fields of SUPREME Specialty PS SP6520 include houses and disks/racks.

Features include:

flame retardant/rated flame

Electrostatic protection

General Information			
Features	Electrostatic discharge protection		
	Antistatic property		
	Good coloring		
	No shedding		
Uses	Shell		
	Bracket tray		
Forms	Particle		
Processing Method	Extrusion		
	Thermoforming		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, 3.20 mm, Injection Molded)	28.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, 3.20 mm, Injection Molded)	4.0	%	ASTM D638
Flexural Modulus (23°C, 3.20 mm, Injection Molded)	1500	MPa	ASTM D790
Flexural Strength (23°C, 3.20 mm, Injection Molded)	44.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	55	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm, Injection Molded)	81.0	°C	ASTM D648

Vicat Softening Temperature	98.0	°C	ASTM D1525 ³
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9	ohms	ASTM D257
Volume Resistivity (23°C, 3.20 mm)	1.0E+9	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Additional Information			
Surface Resistivity, ASTM D257, 3.2 mm, 23°C, injection molded: 1E9 to 1E10 ohmsVolume Resistivity, ASTM D257, 23°C, 3.2 mm, injection molded: 1E9 to 1E10 ohm-cmStatic Charge Decay, MIL-PRF-81705D: <2 sec			
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)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

