

SUPREME Specialty PS SP6630

Specialty Polystyrene

Supreme Petrochem Ltd.

Message:

SUPREME Specialty PS SP6630 is a special polystyrene product. It can be processed by extrusion and is available in North America, Africa and the Middle East, Europe or Asia Pacific. Typical application areas are: coating applications.

Features include:

flame retardant/rated flame

Transparency

General Information			
Features	Antistatic property		
	Good liquidity		
	Definition, high		
Uses	Coating application		
Forms	Particle		
Processing Method	Extrusion		
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)	15	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, 3.20 mm, Injection Molded)	49.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, 3.20 mm, Injection Molded)	2.0	%	ASTM D638
Flexural Modulus (23°C, 3.20 mm, Injection Molded)	2900	MPa	ASTM D790
Flexural Strength (23°C, 3.20 mm, Injection Molded)	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm, Injection Molded)	74.0	°C	ASTM D648
Vicat Softening Temperature	93.0	°C	ASTM D1525 ³
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+11	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Additional Information			
Surface Resistivity, ASTM D257, 23°C, 3.2mm, injection molded: 1E11 to 1E12			

Injection	Nominal Value	Unit
Drying Temperature	60.0 - 80.0	°C
Drying Time	2.0	hr
Extrusion	Nominal Value	Unit
Drying Temperature	60.0 - 80.0	°C
Drying Time	2.0	hr
Melt Temperature	< 230	°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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