

SUPREME Specialty PS SP6409

Specialty Polystyrene
Supreme Petrochem Ltd.

Message:
Glaze compound

General Information	
Features	Highlight
	Impact resistance, good
	Good strength
	Good toughness
Uses	Lining
	General
	Assembled glass
Agency Ratings	FDA 21 CFR 177.1640
Forms	Particle
Processing Method	Extrusion
	Injection molding

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)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, 3.20 mm, Injection Molded)	32.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, 3.20 mm, Injection Molded)	20	%	ASTM D638
Flexural Modulus (23°C, 3.20 mm, Injection Molded)	2000	MPa	ASTM D790
Flexural Strength (23°C, 3.20 mm, Injection Molded)	50.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm, Injection Molded)	78.0	°C	ASTM D648
Vicat Softening Temperature	98.0	°C	ASTM D1525 ³
Flammability	Nominal Value		Test Method

Flame Rating (1.60 mm)	HB	UL 94
Optical	Nominal Value	Test Method
Gardner Gloss (60°, 3200 µm, Injection Molded)	95	ASTM D523
Injection	Nominal Value	Unit
Processing (Melt) Temp	180 - 260	°C
Mold Temperature	40.0 - 60.0	°C
Extrusion	Nominal Value	Unit
Melt Temperature	180 - 260	°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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