

# SUPREME Specialty PS SP6411 1924

High Impact Polystyrene

Supreme Petrochem Ltd.

Message:

SUPREME Specialty PS SP6411 1924 is a high impact polystyrene product. It can be processed by extrusion or injection molding and is available in North America, Africa and the Middle East, Europe or Asia Pacific. Typical application areas are: electrical appliances.

Features include:

flame retardant/rated flame

Conductivity

high gloss

UV stability

General Information	
Additive	UV stabilizer
Features	Highlight
	Static conduction
	Good liquidity
Uses	Home appliance components
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (23°C, 3.20 mm, Injection Molded)	28.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 23°C, 3.20 mm, Injection Molded)	40	%	ASTM D638
Flexural Modulus (23°C, 3.20 mm, Injection Molded)	2100	MPa	ASTM D790
Flexural Strength (23°C, 3.20 mm, Injection Molded)	45.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm, Injection Molded)	77.0	°C	ASTM D648
Vicat Softening Temperature	96.0	°C	ASTM D1525 <sup>3</sup>
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Additional Information			
Surface Resistivity, ASTM D257: 1E12 to 1E13 ohms			
Injection	Nominal Value	Unit	
Drying Temperature	60.0 - 80.0	°C	
Processing (Melt) Temp	230	°C	
Mold Temperature	40.0 - 60.0	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 - 80.0	°C	
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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