

SUPREME Specialty PS SP6433 9710

Medium Impact Polystyrene

Supreme Petrochem Ltd.

Message:

SUPREME Specialty PS SP6433 9710 is a medium-impact grade poly-ethylene 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. The application fields of SUPREME Specialty PS SP6433 9710 include furniture, containers, food contact applications and water pipes/pipes/drinking water.

Features include:

flame retardant/rated flame

high liquidity

Good toughness

beautiful

General Information	
Features	High liquidity
	Good toughness
	Excellent appearance
Uses	Piping system
	Furniture
	Container
	Profile
Agency Ratings	FDA 21 CFR 177.1640
Appearance	Available colors
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)	17	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, 3.20 mm, Injection Molded)	31.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, 3.20 mm, Injection Molded)	35	%	ASTM D638
Flexural Modulus (23°C, 3.20 mm, Injection Molded)	2250	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)	45	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm, Injection Molded)	79.0	°C	ASTM D648
Vicat Softening Temperature	96.0	°C	ASTM D1525 ³
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
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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