

SUPREME Specialty PS SP263

Specialty Polystyrene

Supreme Petrochem Ltd.

Message:

SUPREME Specialty PS SP263 is a special polystyrene product. It can be processed by injection molding and is available in North America, Africa and the Middle East, Europe or Asia Pacific. The application fields of SUPREME Specialty PS SP263 include home application and food contact application. Features include:
flame retardant/rated flame
Good stiffness
Good flexibility

General Information			
Features	Rigid, good		
	Good liquidity		
	Good flexibility		
Uses	Household goods		
Agency Ratings	FDA 21 CFR 177.1640		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	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)	440	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, 3.20 mm, Injection Molded)	25	%	ASTM D638
Flexural Modulus (23°C, 3.20 mm, Injection Molded)	22000	MPa	ASTM D790
Flexural Strength (23°C, 3.20 mm, Injection Molded)	600	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)	81.0	°C	ASTM D648
Vicat Softening Temperature	101	°C	ASTM D1525 ³
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (1000 µm)	82.0	%	ASTM D1003

Haze (1000 μm, Injection Molded)	30	%	ASTM D1003
Additional Information			
The values listed as Haxe and Transmittance ASTM D1003, were tested in accordance with SPL test methods.			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	< 220	°C	
Mold Temperature	40.0 - 50.0	°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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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



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