

SUPREME HIPS SH 3001M

High Impact Polystyrene

Supreme Petrochem Ltd.

Message:

SH3001M is a higher flow version for intricate molding.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	High Clarity		
	High Flow		
	High Heat Resistance		
	High Strength		
	Pleasing Surface Appearance		
Uses	Cups		
	Electrical/Electronic Applications		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1640		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	29.4	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Flexural Strength	39.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	84.0	°C	ASTM D648
Vicat Softening Temperature	102	°C	ASTM D1525

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