

SUPREME HIPS SH 820

High Impact Polystyrene

Supreme Petrochem Ltd.

Message:

SUPREME HIPS SH 820 is a High Impact Polystyrene product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of SUPREME HIPS SH 820 include appliances, consumer goods and food contact applications.

Characteristics include:

Food Contact Acceptable

Good Aesthetics

High Gloss

Impact Resistant

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	High Gloss		
	Pleasing Surface Appearance		
Uses	Appliance Components		
	Toys		
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)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	32.4	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2060	MPa	ASTM D790
Flexural Strength	44.1	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)	85.0	°C	ASTM D648
Vicat Softening Temperature	103	°C	ASTM D1525

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