

# SUPREME HIPS SH 400

High Impact Polystyrene

Supreme Petrochem Ltd.

Message:

SUPREME HIPS SH 400 is a High Impact Polystyrene product. It can be processed by extrusion coating or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of SUPREME HIPS SH 400 include electrical/electronic applications, appliances, consumer goods and food contact applications.

Characteristics include:

Food Contact Acceptable

High Gloss

Impact Resistant

General Information	
Features	Food Contact Acceptable
	High Gloss
	High Impact Resistance
Uses	Appliance Components
	Camera Applications
	Computer Data Storage
	Toys
Agency Ratings	FDA 21 CFR 177.1640
Forms	Pellets
Processing Method	Extrusion Coating
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	27.5	MPa	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Flexural Modulus	1960	MPa	ASTM D790
Flexural Strength	39.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	95	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	83.0	°C	ASTM D648
Vicat Softening Temperature	100	°C	ASTM D1525

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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

