

SUPREME HIPS SH 731M

High Impact Polystyrene
Supreme Petrochem Ltd.

Message:

SH 731M is a special version of SH 731E for molding.

General Information			
Additive	Mold Release		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Mold Release		
	Good Moldability		
	Good Toughness		
	High Gloss		
	Medium Flow		
Uses	Appliances		
	Camera Applications		
	Computer Components		
	Containers		
	Housings		
	Packaging		
	Structural Parts		
Agency Ratings	FDA 21 CFR 177.1640		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Thermoforming		
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)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	23.5	MPa	ASTM D638
Tensile Elongation ² (Yield)	50	%	ASTM D638
Flexural Modulus (3.20 mm)	2060	MPa	ASTM D790
Flexural Strength (Yield, 3.20 mm)	39.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	110	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 ³

NOTE

1. 50 mm/min
2. 50 mm/min
3. Rate B (120°C/h)

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