

Global HI-830 High Impact Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

High flow Good stiffness Applications: Appliances Electrical/Electronic applications Household goods Food packaging Toys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Global-HI-830-High-Impact-Polystyrene.php

Physical Properties	Metric	English	Comments
Melt Flow	3.0 g/10 min @Load 5.00 kg, Temperature 200 Å°C	3.0 g/10 min @Load 11.0 lb, Temperature 392 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	71 @Thickness 6.35 mm	71 @Thickness 0.250 in	ASTM D785
Tensile Strength, Yield	21.4 MPa	3100 psi	ASTM D638
Flexural Yield Strength	41.4 MPa	6000 psi	ASTM D790
Flexural Modulus	2.14 GPa	310 ksi	ASTM D790
Izod Impact, Notched	1.57 J/cm @Thickness 6.35 mm, Temperature 22.8 Å°C	2.94 ft-lb/in @Thickness 0.250 in, Temperature 73.0 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	90.0 Å°C @Thickness 6.35 mm	194 Å°F @Thickness 0.250 in	Unannealed; ASTM D648
Vicat Softening Point	96.1 Å°C	205 Å°F	ASTM D1525
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	
	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	

Descriptive Properties	Value	Comments
Appearance	Transparent	
Forms	Pellets	

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