

Global HI-650 High Impact Polystyrene

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

Material Notes:

High flowGood stiffnessApplications:AppliancesElectrical/Electronic applicationsHousehold goodsFood packagingToys

Order this product through the following link:
http://www.lookpolymers.com/polymer_Global-HI-650-High-Impact-Polystyrene.php

Physical Properties	Metric	English	Comments
Melt Flow	8.0 g/10 min	8.0 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 Â°C	@Load 11.0 lb, Temperature 392 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	80	80	ASTM D785
	@Thickness 6.35 mm	@Thickness 0.250 in	
Tensile Strength, Yield	22.8 MPa	3300 psi	ASTM D638
Flexural Yield Strength	44.1 MPa	6400 psi	ASTM D790
Flexural Modulus	2.28 GPa	330 ksi	ASTM D790
Izod Impact, Notched	1.08 J/cm	2.02 ft-lb/in	ASTM D256
	@Thickness 6.35 mm, Temperature 22.8 Â°C	@Thickness 0.250 in, Temperature 73.0 Â°F	

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

Descriptive Properties	Value	Comments
Appearance	Transparent	
Forms	Pellets	

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