

## Global GP-150 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-GP-150-High-Impact-Polystyrene.php](http://www.lookpolymers.com/polymer_Global-GP-150-High-Impact-Polystyrene.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	82 @Thickness 6.35 mm	82 @Thickness 0.250 in	ASTM D785
Tensile Strength, Yield	43.4 MPa	6300 psi	ASTM D638
Flexural Yield Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	3.16 GPa	459 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	92.8 Å°C @Thickness 6.35 mm	199 Å°F @Thickness 0.250 in	Unannealed; ASTM D648
Vicat Softening Point	100 Å°C	212 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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