

Global ABS-HI-121 High Impact ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Impact Grade, Molded

Material Notes:

Information provided by Global Polymers Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Global-ABS-HI-121-High-Impact-ABS.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Melt Flow	14 g/10 min @Load 10.0 kg, Temperature 220 °C	14 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	46.90 MPa @Thickness 3.17 mm	6802 psi @Thickness 0.125 in	ASTM D638
Flexural Yield Strength	73.098 MPa @Thickness 3.17 mm	10602 psi @Thickness 0.125 in	ASTM D790
Flexural Modulus	2.25 GPa @Thickness 3.17 mm	326 ksi @Thickness 0.125 in	ASTM D790
Izod Impact, Notched	2.56 J/cm @Thickness 6.40 mm	4.80 ft-lb/in @Thickness 0.252 in	ASTM D256
	2.99 J/cm @Thickness 3.17 mm	5.60 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	87.8 °C	190 °F	ASTM D648

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