

Diamond Polymers ABSPC 8020 Very High Impact

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diamond-Polymers-ABSPC-8020-Very-High-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	ASTM D955
Melt Flow	1.3 g/10 min @Load 5.00 kg, Temperature 200 °C	1.3 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Yield	58.6 MPa	8500 psi	chs 2.0 in/min; ASTM D638
Flexural Modulus	2.398 GPa	347.8 ksi	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	6.40 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	12.0 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	125 °C @Load 1.00 kg	257 °F @Load 2.20 lb	ASTM D1525
Flammability, UL94	HB @Thickness 1.59 mm	HB @Thickness 0.0625 in	

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