

Diamond Polymers ABSPC 9802 ABS/PC Molding Grade, High Impact, High Heat

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-9802-ABSPC-Molding-Grade-High-Impact-High-Heat.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Melt Flow	28 g/10 min @Load 5.00 kg, Temperature 265 °C	28 g/10 min @Load 11.0 lb, Temperature 509 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.1 MPa	7990 psi	chs 2.0 in/min; ASTM D638
Elongation at Yield	4.7 %	4.7 %	chs 2.0 in/min; ASTM D638
Flexural Strength	86.8 MPa	12600 psi	chs 0.05 in/min; ASTM D790
Flexural Modulus	2.274 GPa	329.8 ksi	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	5.43 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	10.2 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	142 °C @Load 1.00 kg, Thickness 3.17 mm	288 °F @Load 2.20 lb, Thickness 0.125 in	ASTM D1525

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