

Diamond Polymers ABSPC 7801 ABS/PC Injection 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-7801-ABSPC-Injection-Molding-Grade-High-Impact-High-Heat.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ASTM D955
Melt Flow	29 g/10 min @Load 5.00 kg, Temperature 265 °C	29 g/10 min @Load 11.0 lb, Temperature 509 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	41.0 MPa	5950 psi	chs 2.0 in/min; ASTM D638
Tensile Modulus	2.322 GPa	336.8 ksi	chs 2.0 in/min; ASTM D638
Flexural Strength	66.0 MPa @Thickness 3.17 mm	9570 psi @Thickness 0.125 in	5% strain; chs 0.05 in/min; ASTM D790
Flexural Modulus	2.019 GPa @Thickness 3.17 mm	292.8 ksi @Thickness 0.125 in	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	5.50 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	10.3 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	137 °C @Load 1.00 kg	279 °F @Load 2.20 lb	120°C/hr; ASTM D1525

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