

Diamond Polymers ABSPC 7030-HES ABS/PC Injection Molding Grade, 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-7030-HES-ABSPC-Injection-Molding-Grade-High-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
Melt Flow	12.8 g/10 min @Load 10.0 kg, Temperature 220 °C	12.8 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	55.0 MPa	7980 psi	chs 5 mm/min; ASTM D638
Elongation at Break	70 %	70 %	chs 5 mm/min; ASTM D638
Flexural Strength	93.7 MPa @Thickness 6.35 mm	13600 psi @Thickness 0.250 in	tangent; chs 2.5 in/min; 100 mm SL; ASTM D790
Flexural Modulus	2.412 GPa @Thickness 6.35 mm	349.8 ksi @Thickness 0.250 in	tangent; chs 2.5 in/min; 100 mm SL; ASTM D790
Izod Impact, Notched	1.50 J/cm @Thickness 6.35 mm, Temperature -30.0 °C	2.81 ft-lb/in @Thickness 0.250 in, Temperature -22.0 °F	ASTM D256
	4.81 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	9.01 ft-lb/in @Thickness 0.250 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	120°C/hr; ASTM D1525

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