

Diamond Polymers ABS 9950 Injection Molding Grade

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

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-ABS-9950-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	1.3 g/10 min	1.3 g/10 min	ASTM D1238
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	43.0 MPa	6240 psi	chs 2 in/min; ASTM D638
Elongation at Yield	5.0 %	5.0 %	chs 2.0 in/min; ASTM D638
Tensile Modulus	0.778 GPa	113 ksi	chs 2.0 in/min; ASTM D638
Flexural Strength	63.0 MPa	9140 psi	chs 0.05 in/min; ASTM D790
	@Thickness 3.17 mm	@Thickness 0.125 in	
Flexural Modulus	2.005 GPa	290.8 ksi	tangent; chs 0.05 in/min; ASTM D790
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Notched	4.00 J/cm	7.49 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	105 °C	221 °F	ASTM D1525
	@Load 1.00 kg, Thickness 3.17 mm	@Load 2.20 lb, Thickness 0.125 in	

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