

Diamond Polymers ABS 9401 Injection Molding Grade, Ultra High Impact

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Impact Grade, 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-9401-Injection-Molding-Grade-Ultra-High-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
Melt Flow	0.40 - 1.2 g/10 min @Load 5.00 kg, Temperature 200 °C	0.40 - 1.2 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	35.1 MPa	5090 psi	chs 2 in/min; ASTM D638
Flexural Modulus	1.86 GPa	270 ksi	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	4.38 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	8.21 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

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

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