

Diamond Polymers ABS 4012B Blow 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-4012B-Blow-Molding-Grade.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	1.3 g/10 min @Load 10.0 kg, Temperature 220 °C	1.3 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	39.0 MPa	5660 psi	chs 2 in/min; ASTM D638
Flexural Modulus	1.867 GPa	270.8 ksi	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	3.42 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	6.41 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	116 °C @Load 1.00 kg, Thickness 3.17 mm	241 °F @Load 2.20 lb, Thickness 0.125 in	ASTM D1525

Optical Properties	Metric	English	Comments
Gloss	96.7 %	96.7 %	60°; ASTM D523

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