

Diamond Polymers ABS TR-5000 Transparent

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Transparent, 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-TR-5000-Transparent.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	2.1 g/10 min @Load 5.00 kg, Temperature 200 °C	2.1 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Yield	48.8 MPa	7080 psi	chs 2 in/min; ASTM D638
Flexural Modulus	2.301 GPa	333.7 ksi	chs 0.05 in/min; ASTM D790
Izod Impact, Notched	1.068 J/cm @Thickness 3.17 mm	2.001 ft-lb/in @Thickness 0.125 in	ASTM D256

Optical Properties	Metric	English	Comments
Haze	4.2 % @Thickness 3.00 mm	4.2 % @Thickness 0.118 in	ASTM D1003
Transmission, Visible	88 % @Thickness 3.00 mm	88 % @Thickness 0.118 in	ASTM D1003

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