

Diamond Polymers ASA S130

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), Unreinforced, Molded

Material Notes:

Description: ASA Weatherable Polymer, Injection Molding Grade, Medium Impact and Modulus Information provided by Diamond Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diamond-Polymers-ASA-S130.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ASTM D955
Melt Flow	15 g/10 min @Load 10.0 kg, Temperature 220 °C	15 g/10 min @Load 22.0 lb, Temperature 428 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ASTM D785
Tensile Strength, Yield	44.8 MPa	6500 psi	chs 2 in/min; ASTM D638
Flexural Modulus	2.38 GPa	345 ksi	Tangent, chs 0.05 in/min; ASTM D790
Izod Impact, Notched	1.60 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	3.00 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	0.125 in bar Unannealed/Conditioned 48 hours at 23°C; ASTM D648
Vicat Softening Point	93.9 °C	201 °F	0.125 inch, 1 Kg; ASTM D1525

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