

Diamond Polymers ASA S-170 Lt Grey 50283UV f1 ASA Weatherable Polymers Injection Molding Grade, High Impact

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), Unreinforced, 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-ASA-S-170-Lt-Grey-50283UV-f1-ASA-Weatherable-Polymers-Injection-Molding-Grade-High-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ASTM D955
Melt Flow	9.0 g/10 min @Load 10.0 kg, Temperature 220 °C	9.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	93	93	ASTM D785
Tensile Strength, Yield	40.0 MPa	5800 psi	chs 2.0 in/min; ASTM D638
Flexural Modulus	2.136 GPa	309.8 ksi	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	3.204 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	6.002 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	104 °C @Load 1.00 kg, Thickness 3.17 mm	219 °F @Load 2.20 lb, Thickness 0.125 in	ASTM D1525
Flammability, UL94	HB @Thickness 1.59 mm	HB @Thickness 0.0625 in	

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