

Diamond Polymers SAN 250 Styrene Acrylonitrile, Transparent Engineering Thermoplastic

Category : Polymer , Thermoplastic , SAN Polymer , Styrene Acrylonitrile (SAN), Transparent

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-SAN-250-Styrene-Acrylonitrile-Transparent-Engineering-Thermoplastic.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	ASTM D955
Melt Flow	0.90 g/10 min @Load 5.00 kg, Temperature 200 °C	0.90 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	80.6 MPa	11700 psi	ASTM D638
Flexural Modulus	3.576 GPa	518.7 ksi	ASTM D790
Izod Impact, Notched	0.107 J/cm @Thickness 6.40 mm, Temperature 23.0 °C	0.200 ft-lb/in @Thickness 0.252 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB @Thickness 1.59 mm	HB @Thickness 0.0625 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

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