

Bhansali Engineering Santron IMS 2006 SAN Resin

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

Material Notes:

Very High Rigidity Clear SAN Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Santron-IMS-2006-SAN-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Linear Mold Shrinkage	0.00400 - 0.00500 cm/cm	0.00400 - 0.00500 in/in	ASTM D955
Melt Flow	30.0 g/10 min @Load 10.0 kg, Temperature 220 °C	30.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	124	124	ASTM D785
Tensile Strength, Yield	78.5 MPa @Thickness 3.20 mm	11400 psi @Thickness 0.126 in	Type I, 5 mm/min; ASTM D638
	83.4 MPa @Thickness 3.20 mm	12100 psi @Thickness 0.126 in	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	113 MPa @Thickness 6.40 mm	16400 psi @Thickness 0.252 in	5 mm/min; ASTM D790
Izod Impact, Notched	0.392 J/cm @Thickness 3.20 mm	0.735 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	97.0 °C @Thickness 6.40 mm	207 °F @Thickness 0.252 in	Method A; ASTM D648
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	90.0 %	90.0 %	clear; thickness not quantified

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