

Bhansali Engineering Santron IMS1000M SAN Resin

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

Material Notes:

Clear SAN, Pen barrel application Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Santron-IMS1000M-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	35.0 g/10 min @Load 10.0 kg, Temperature 220 °C	35.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	63.7 MPa @Thickness 3.20 mm	9250 psi @Thickness 0.126 in	Type I, 5 mm/min; ASTM D638
	68.6 MPa @Thickness 3.20 mm	9960 psi @Thickness 0.126 in	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	98.1 MPa @Thickness 6.40 mm	14200 psi @Thickness 0.252 in	5 mm/min; ASTM D790
Izod Impact, Notched	0.294 J/cm @Thickness 3.20 mm	0.551 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C @Thickness 6.40 mm	203 °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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