

Network Polymers SAN 290 High Flow Natural

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

Material Notes:

Description: SAN - Styrene Acrylonitrile Transparent Engineering Thermoplastic Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-SAN-290-High-Flow-Natural.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	ASTM D955
Melt Flow	8.0 g/10 min	8.0 g/10 min	Procedure A Condition G; ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	
	31.1 g/10 min	31.1 g/10 min	Procedure A Condition I; ASTM D1238
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	70	70	ASTM D785
Tensile Strength, Yield	68.9 MPa	10000 psi	chs 2 in/min; ASTM D638
Flexural Modulus	3.45 GPa	500 ksi	Tangent, chs 0.05 in/min; ASTM D790
Izod Impact, Notched	0.214 J/cm	0.400 ft-lb/in	0.125 inch bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	91.1 °C	196 °F	Unannealed/Conditioned 48 hours at 23°C; ASTM D648
Vicat Softening Point	100 °C	212 °F	0.125 inch bar, 1 Kg; ASTM D1525
Flammability, UL94	HB	HB	0.0625 in

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

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