

Idemitsu Kosan Xarec® N WA 7010 SPS, 10% Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS) , Syndiotactic Polystyrene (SPS) , Syndiotactic Polystyrene (SPS) with Glass or Carbon Fiber

Material Notes:

Crystalline Polymer Blend, Glass Filled. Used in Automotive Electronics applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Idemitsu-Kosan-Xarec-N-WA-7010-SPS-10-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Filler Content	10 %	10 %	Glass
Moisture Absorption	0.450 %	0.450 %	24 hours, 50% RH; ASTM D570
Linear Mold Shrinkage	0.0055 cm/cm @Thickness 2.00 mm	0.0055 in/in @Thickness 0.0787 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	117 MPa	17000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Tensile Modulus	4.80 GPa	696 ksi	ASTM D638
Flexural Strength	158 MPa	22900 psi	ASTM D790
Flexural Modulus	6.90 GPa	1000 ksi	ASTM D790
Izod Impact, Notched (ISO)	3.70 kJ/m ² @Temperature 23.0 °C	1.76 ft-lb/in ² @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	290 - 320 °C	554 - 608 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	

Drying Temperature
Processing Properties

80.0 °C
Metric

176 °F
English

Comments

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