

Kuraray Genestar[®],ç GN2330 Nylon, 33% Glass Filled

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Standard V-0 Grade. Features a balance of mechanical strength, mold-ability, and dimensional stability. Well suited for a wide range of electrical and electronic components.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kuraray-Genestar-GN2330-Nylon-33-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.62 g/cc	1.62 g/cc	
Water Absorption	1.0 %	1.0 %	
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	
Melt Flow	21 g/10 min @Load 2.16 kg, Temperature 320 Â°C	21 g/10 min @Load 4.76 lb, Temperature 608 Â°F	ASTM D1238
Spiral Flow	5.50 cm @Load 750 kg, Temperature 320 Â°C	2.17 in @Load 1650 lb, Temperature 608 Â°F	0.5mm diameter

Mechanical Properties	Metric	English	Comments
Tensile Strength	54.0 MPa	7830 psi	Weld; ASTM D638
	185 MPa	26800 psi	ASTM D638
Elongation at Yield	0.70 %	0.70 %	Weld; ASTM D638
	4.0 %	4.0 %	ASTM D638
Flexural Strength	240 MPa	34800 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Izod Impact, Notched	1.00 J/cm	1.87 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	306 Â°C	583 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	285 Â°C	545 Â°F	ASTM D648
Glass Transition Temp, Tg			

Thermal Properties	125 Å°C Metric	257 Å°F English	Comments
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Constant	3.4 @Frequency 1.00e+10 Hz	3.4 @Frequency 1.00e+10 Hz	ASTM D150
Dielectric Strength	30.0 kV/mm	762 kV/in	ASTM D149
Dielectric Loss Index	0.010 @Frequency 1.00e+10 Hz	0.010 @Frequency 1.00e+10 Hz	ASTM D150
Comparative Tracking Index	400 - 600 V	400 - 600 V	ASTM UL746A

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