

## Gromax CFG33-QS11N1 Nylon 6 33% Glass Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled

### Material Notes:

Information provided by Gromax Enterprises Corp.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gromax-CFG33-QS11N1-Nylon-6-33-Glass-Filled-Dry.php](http://www.lookpolymers.com/polymer_Gromax-CFG33-QS11N1-Nylon-6-33-Glass-Filled-Dry.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ISO 1183
Moisture Absorption	0.860 %	0.860 %	ISO 62
Maximum Moisture Content	0.10	0.10	Karl Fischer
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Temperature 80.0 °C	0.0030 in/in @Temperature 176 °F	60x60x2 mm; ISO 294-4
Linear Mold Shrinkage, Transverse	0.0070 cm/cm @Temperature 80.0 °C	0.0070 in/in @Temperature 176 °F	60x60x2 mm; ISO 294-4

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	[N/mm <sup>2</sup> ]; ISO 7619
Tensile Strength	177 MPa	25600 psi	50 mm/min; ISO 527
Elongation at Break	3.1 %	3.1 %	50 mm/min; ISO 527
Flexural Strength	288 MPa	41800 psi	5 mm/min; ISO 178
Flexural Modulus	10.1 GPa	1470 ksi	5 mm/min; ISO 178
Izod Impact, Notched (ISO)	16.6 kJ/m <sup>2</sup>	7.90 ft-lb/in <sup>2</sup>	ISO 180-1A
Charpy Impact Unnotched	8.60 J/cm <sup>2</sup> @Temperature 23.0 °C	40.9 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179-1eU
Charpy Impact, Notched	1.70 J/cm <sup>2</sup> @Temperature 23.0 °C	8.09 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179-1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	222 °C	432 °F	ISO 75-1,-2
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

<b>Thermal Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
<b>Processing Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Melt Temperature	226 - 266 °C	439 - 511 °F	ISO 294
Mold Temperature	80.0 - 120 °C	176 - 248 °F	ISO 294
Drying Temperature	80.0 °C	176 °F	
Dry Time	2.00 - 6.00 hour	2.00 - 6.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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