

Wellman Wellamid® GF1750-N2 50% Glass Fiber Reinforced Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 50% Glass Fiber Filled

Material Notes:

Description: Glass Fiber Reinforced Nylon 6 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GF1750-N2-50-Glass-Fiber-Reinforced-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in³	ISO 1183-87
Filler Content	50 %	50 %	
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0070 - 0.010 cm/cm	0.0070 - 0.010 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	235 MPa	34100 psi	ISO 527-93
Elongation at Break	2.9 %	2.9 %	ISO 527-93
Flexural Strength	345 MPa	50000 psi	ISO 178-93
Flexural Modulus	15.0 GPa	2180 ksi	ISO 178-93
Izod Impact, Notched (ISO)	22.0 kJ/m²	10.5 ft-lb/in²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	ISO 75-93

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