

Wellman Wellamid® MRGF1475 BK01 20% Mineral/Glass Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass/Mineral Filled

Material Notes:

Description: Mineral/Glass Reinforced Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-MRGF1475-BK01-20-MineralGlass-Reinforced-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183-87
Filler Content	20 %	20 %	
Linear Mold Shrinkage, Flow	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.010 - 0.014 cm/cm	0.010 - 0.014 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	88.0 MPa	12800 psi	ISO 527-93
Elongation at Break	4.0 %	4.0 %	ISO 527-93
Flexural Strength	143 MPa	20700 psi	ISO 178-93
Flexural Modulus	5.25 GPa	761 ksi	ISO 178-93
Izod Impact, Notched (ISO)	3.10 kJ/m ²	1.48 ft-lb/in ²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	ISO 75-93

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