

Wellman Wellamid® MRGF1583-WT1 44% Mineral/Glass Reinforced Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass/Mineral Reinforced

Material Notes:

Description: Mineral/Glass Reinforced Nylon 6 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-MRGF1583-WT1-44-MineralGlass-Reinforced-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ISO 1183-87
Filler Content	44 %	44 %	
Linear Mold Shrinkage, Flow	0.0035 - 0.0075 cm/cm	0.0035 - 0.0075 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0065 - 0.0105 cm/cm	0.0065 - 0.0105 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	118 MPa	17100 psi	ISO 527-93
Elongation at Break	2.3 %	2.3 %	ISO 527-93
Flexural Strength	170 MPa	24700 psi	ISO 178-93
Flexural Modulus	7.915 GPa	1148 ksi	ISO 178-93
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	203 °C	397 °F	ISO 75-93

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