

Wellman Wellamid® MRGF25/15 42H-N1/WE1705-N1 40% Mineral/Glass Fiber Reinforced Nylon 6

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

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-MRGF2515-42H-N1WE1705-N1-40-MineralGlass-Fiber-Reinforced-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ISO 1183-87
Filler Content	40 %	40 %	
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	120 MPa	17400 psi	ISO 527-93
Elongation at Break	2.0 %	2.0 %	ISO 527-93
Flexural Strength	180 MPa	26100 psi	ISO 178-93
Flexural Modulus	10.0 GPa	1450 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)	200 °C	392 °F	ISO 75-93

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