

Wellman Wellamid® MR410 42H-NBK1 40% Mineral Reinforced Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Mineral Filled

Material Notes:

Description: Mineral Reinforced Nylon 6 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-MR410-42H-NBK1-40-Mineral-Reinforced-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in ³	ISO 1183-87
Filler Content	40 %	40 %	
Linear Mold Shrinkage, Flow	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	77.0 MPa	11200 psi	ISO 527-93
Elongation at Break	3.7 %	3.7 %	ISO 527-93
Flexural Strength	128 MPa	18600 psi	ISO 178-93
Flexural Modulus	7.88 GPa	1140 ksi	ISO 178-93
Izod Impact, Notched (ISO)	3.90 kJ/m ²	1.86 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)	150 °C	302 °F	ISO 75-93

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