

Wellman Wellamid® GF10-42LI4-N-Gray 10% Glass Reinforced, Toughened Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 10% Glass Fiber Filled

Material Notes:

Description: Glass Reinforced, Toughened Nylon 6 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GF10-42LI4-N-Gray-10-Glass-Reinforced-Toughened-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ISO 1183-87
Filler Content	10 %	10 %	
Linear Mold Shrinkage, Flow	0.011 - 0.014 cm/cm	0.011 - 0.014 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	ISO 527-93
Elongation at Break	7.0 %	7.0 %	ISO 527-93
Flexural Strength	120 MPa	17400 psi	ISO 178-93
Flexural Modulus	3.20 GPa	464 ksi	ISO 178-93
Izod Impact, Notched (ISO)	7.50 kJ/m ²	3.57 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)	130 °C	266 °F	ISO 75-93

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