

Wellman Wellamid® WE1408 13% Glass Fiber Reinforced Engineering Grade Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled

Material Notes:

Description: Glass Fiber Reinforced Engineering Grade Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-WE1408-13-Glass-Fiber-Reinforced-Engineering-Grade-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183-87
Filler Content	13 %	13 %	
Linear Mold Shrinkage, Flow	0.0045 - 0.0065 cm/cm	0.0045 - 0.0065 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0066 - 0.0086 cm/cm	0.0066 - 0.0086 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	96.0 MPa	13900 psi	ISO 527-93
Elongation at Break	4.5 %	4.5 %	ISO 527-93
Flexural Strength	144 MPa	20900 psi	ISO 178-93
Flexural Modulus	4.02 GPa	583 ksi	ISO 178-93
Izod Impact, Notched (ISO)	5.50 kJ/m ²	2.62 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)	220 °C	428 °F	ISO 75-93

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