

Wellman Wellamid® FRGF1827-BK1 10% Glass Fiber Reinforced Flame Retardant Nylon 66

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

Material Notes:

Description: Glass Fiber Reinforced Flame Retardant Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-FRGF1827-BK1-10-Glass-Fiber-Reinforced-Flame-Retardant-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ISO 1183-87
Filler Content	10 %	10 %	
Linear Mold Shrinkage, Flow	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	ISO 527-93
Elongation at Break	2.0 %	2.0 %	ISO 527-93
Flexural Strength	130 MPa	18900 psi	ISO 178-93
Flexural Modulus	5.50 GPa	798 ksi	ISO 178-93
Izod Impact, Notched (ISO)	3.50 kJ/m ²	1.67 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
Flammability, UL94	V-0 @Thickness 0.790 mm	V-0 @Thickness 0.0311 in	

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