

Wellman Wellamid® FRGF25-66 NBK3 Nylon 66, 25% Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber Filled, Flame Retardant

Material Notes:

All information provided by Wellman Engineered Resins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-FRGF25-66-NBK3-Nylon-66-25-Glass-Fiber-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	ISO 1183-87
Linear Mold Shrinkage, Flow	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	DIS 294-4
Linear Mold Shrinkage, Transverse	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ISO 527-93
Elongation at Break	3.0 %	3.0 %	ISO 527-93
Flexural Strength	165 MPa	23900 psi	ISO 178-93
Flexural Modulus	7.10 GPa	1030 ksi	ISO 178-93
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 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)	240 °C	464 °F	ISO 75-93
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	

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