

Wellman Wellamid® GF13-66 XE-N 13% Glass Fiber Reinforced Nylon 66, Lubricated & Heat Stabilized

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

Material Notes:

Typical Applications: Radio and TV components, dishwasher roller carriages, chain saw oil reservoirs, gears, housings, door & window latches, power hand tool housings, high temperature devices. Data provided by the manufacturer, Wellman Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GF13-66-XE-N-13-Glass-Fiber-Reinforced-Nylon-66-Lubricated-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ISO 1183
Water Absorption	1.35 %	1.35 %	Approximate 24 hr.
Linear Mold Shrinkage	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	110 MPa	16000 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Flexural Yield Strength	175 MPa	25400 psi	ISO 178
Flexural Modulus	5.10 GPa	740 ksi	ISO 178
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	245 °C	473 °F	ISO 75
Flammability, UL94	HB @Thickness 0.790 mm	HB @Thickness 0.0311 in	

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