

Plastics Group Polifil® 78MRGF Glass Fiber and Mineral Reinforced Nylon 6/6 (DAM)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass/Mineral Filled

Material Notes:

Polifil® GFN/MRN 6/6 reinforced series of compounds offer superior strength, rigidity and creep resistance. Glass fibers provide excellent thermal and dimensional stability while maintaining good heat and chemical resistance. Applications: Bike components Fuel caps Automotive components Standard processing techniques are applicable. Information provided by The Plastics Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastics-Group-Polifil-78MRGF-Glass-Fiber-and-Mineral-Reinforced-Nylon-66-DAM.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ASTM D792
Water Absorption	0.70 %	0.70 %	24 hours; ASTM D570
Linear Mold Shrinkage	0.0050 cm/cm @Thickness 3.17 mm	0.0050 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.5 MPa	12400 psi	ASTM D638
Elongation at Break	12 %	12 %	ASTM D638
Flexural Modulus	4.07 GPa	590 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	At 73°F; ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	257 °C	495 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	235 °C	455 °F	ASTM D648

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