

Wellman Wellamid® MRGFX1393-N 40% Mineral/Glass Reinforced, Silicone Lubricated Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass/Mineral Reinforced

Material Notes:

Description: Mineral/Glass Reinforced, Silicone Lubricated Nylon 6 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-MRGFX1393-N-40-MineralGlass-Reinforced-Silicone-Lubricated-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	ISO 1183-87
Filler Content	40 %	40 %	
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	ISO 527-93
Elongation at Break	3.0 %	3.0 %	ISO 527-93
Flexural Strength	150 MPa	21800 psi	ISO 178-93
Flexural Modulus	8.20 GPa	1190 ksi	ISO 178-93
Izod Impact, Notched (ISO)	4.90 kJ/m ²	2.33 ft-lb/in ²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ISO 75-93
Flammability, UL94	HB	HB	
	@Thickness 1.57 mm	@Thickness 0.0618 in	

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