

Wellman EcoLon® MRGF1619-WBK1 Mineral and Glass Reinforced Recycled Nylon 66

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Nylon , Nylon 66 , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Recycled, Glass/Mineral Reinforced

Material Notes:

Description: Post Consumer Nylon Compound; Weatherable Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-EcoLon-MRGF1619-WBK1-Mineral-and-Glass-Reinforced-Recycled-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ISO 1183-87
Filler Content	19 %	19 %	
Linear Mold Shrinkage	0.010 - 0.014 cm/cm	0.010 - 0.014 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.010 - 0.014 cm/cm	0.010 - 0.014 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	65.0 MPa	9430 psi	ISO 527-93
Elongation at Break	8.0 %	8.0 %	ISO 527-93
Flexural Strength	100 MPa	14500 psi	ISO 178-93
Flexural Modulus	3.70 GPa	537 ksi	ISO 178-93
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 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)	100 °C	212 °F	ISO 75-93

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