

Unitika E-RUNG60 PA66, 60% Glass Fiber Reinforced, Dry

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 60% Glass Fiber Filled

Material Notes:

Information provided by Unitika Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unitika-E-RUNG60-PA66-60-Glass-Fiber-Reinforced-Dry.php

Physical Properties	Metric	English	Comments
Density	1.73 g/cc	0.0625 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.70 %	0.70 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0030 cm/cm	0.0030 in/in	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ISO 2039
Tensile Strength at Break	240 MPa	34800 psi	ISO 527-1/-2
Elongation at Break	1.8 %	1.8 %	ISO 527-1/-2
Tensile Modulus	19.0 GPa	2760 ksi	ISO 527-1/-2
Flexural Strength	370 MPa	53700 psi	ISO 178
Flexural Modulus	18.6 GPa	2700 ksi	ISO 178
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	ISO 179-1
Charpy Impact, Notched	1.60 J/cm ²	7.61 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	25.0 μm/m-°C	13.9 μin/in-°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	225 °C	437 °F	ISO 75-1/-2

Electrical Properties	Metric	English	Comments
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Volume Resistivity Electrical Properties	1.00e+13 ohm-cm Metric	1.00e+13 ohm-cm English	IEC 60093 Comments
Dielectric Strength	35.0 kV/mm @Thickness 1.00 mm	889 kV/in @Thickness 0.0394 in	IEC 60243-1

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