

Unitika A3030N-2 PA6, 30% Mineral Reinforced, Dry

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Mineral Filled

Material Notes:

Information provided by Unitika Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unitika-A3030N-2-PA6-30-Mineral-Reinforced-Dry.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.9 %	1.9 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0070 cm/cm	0.0070 in/in	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	ISO 527-1/-2
Elongation at Break	4.5 %	4.5 %	ISO 527-1/-2
Tensile Modulus	5.40 GPa	783 ksi	ISO 527-1/-2
Flexural Strength	125 MPa	18100 psi	ISO 178
Flexural Modulus	4.70 GPa	682 ksi	ISO 178
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	ISO 179-1
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 μm/m-°C	33.3 μin/in-°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	194 °C	381 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	108 °C	226 °F	ISO 75-1/-2
Flammability, UL94	V-2	V-2	
	@Thickness 0.850 mm	@Thickness 0.0335 in	

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