

Unitika BV2120G30 PA66, 30% Glass Fiber Reinforced, Flame Retardant, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber Filled, Flame Retardant

Material Notes:

Information provided by Unitika Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unitika-BV2120G30-PA66-30-Glass-Fiber-Reinforced-Flame-Retardant-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.90 %	0.90 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ISO 2039
Tensile Strength at Break	113 MPa	16400 psi	ISO 527-1/-2
Elongation at Break	2.3 %	2.3 %	ISO 527-1/-2
Tensile Modulus	8.70 GPa	1260 ksi	ISO 527-1/-2
Flexural Strength	170 MPa	24700 psi	ISO 178
Flexural Modulus	8.20 GPa	1190 ksi	ISO 178
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	ISO 179-1
Charpy Impact, Notched	1.10 J/cm ²	5.23 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 µm/m-°C	16.7 µin/in-°F	ISO 11359-2
Flammability, UL94	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	

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