

Unitika BV2120G15 PA66, 15% 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-BV2120G15-PA66-15-Glass-Fiber-Reinforced-Flame-Retardant-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.2 %	1.2 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Thickness 3.20 mm	0.0040 in/in @Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0080 cm/cm @Thickness 3.20 mm	0.0080 in/in @Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	101	101	ISO 2039
Tensile Strength at Break	87.0 MPa	12600 psi	ISO 527-1/-2
Elongation at Break	2.5 %	2.5 %	ISO 527-1/-2
Tensile Modulus	5.10 GPa	740 ksi	ISO 527-1/-2
Flexural Strength	120 MPa	17400 psi	ISO 178
Flexural Modulus	4.30 GPa	624 ksi	ISO 178
Charpy Impact Unnotched	5.60 J/cm ²	26.6 ft-lb/in ²	ISO 179-1
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 μm/m-°C	22.2 μin/in-°F	ISO 11359-2
Flammability, UL94	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	

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