

Unitika BV2120 PA66, Flame Retardant, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced, Flame Retardant

Material Notes:

Information provided by Unitika Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unitika-BV2120-PA66-Flame-Retardant-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.5 %	1.5 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.015 cm/cm	0.015 in/in	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.017 cm/cm	0.017 in/in	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	96	96	ISO 2039
Tensile Strength at Break	50.0 MPa	7250 psi	ISO 527-1/-2
Elongation at Break	4.8 %	4.8 %	ISO 527-1/-2
Tensile Modulus	1.60 GPa	232 ksi	ISO 527-1/-2
Flexural Strength	66.0 MPa	9570 psi	ISO 178
Flexural Modulus	1.50 GPa	218 ksi	ISO 178
Charpy Impact Unnotched	5.60 J/cm ²	26.6 ft-lb/in ²	ISO 179-1
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 µm/m-°C	38.9 µin/in-°F	ISO 11359-2
Flammability, UL94	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	

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