

## Unitika BV2120G15 PA66, 15% Glass Fiber Reinforced, Flame Retardant, Dry

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-Dry.php](http://www.lookpolymers.com/polymer_Unitika-BV2120G15-PA66-15-Glass-Fiber-Reinforced-Flame-Retardant-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	1.2 %	1.2 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 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
Hardness, Rockwell R	114	114	ISO 2039
Tensile Strength at Break	121 MPa	17500 psi	ISO 527-1/-2
Elongation at Break	2.3 %	2.3 %	ISO 527-1/-2
Tensile Modulus	7.30 GPa	1060 ksi	ISO 527-1/-2
Flexural Strength	169 MPa	24500 psi	ISO 178
Flexural Modulus	6.70 GPa	972 ksi	ISO 178
Charpy Impact Unnotched	3.70 J/cm <sup>2</sup>	17.6 ft-lb/in <sup>2</sup>	ISO 179-1
Charpy Impact, Notched	0.600 J/cm <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 μm/m-°C	22.2 μin/in-°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	246 °C	475 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	223 °C	433 °F	ISO 75-1/-2
Flammability, UL94	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	IEC 60093
Dielectric Constant	3.6	3.6	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	28.0 kV/mm	711 kV/in	IEC 60243-1
	@Thickness 1.00 mm	@Thickness 0.0394 in	
Dissipation Factor	0.020	0.020	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

## Contact Songhan Plastic Technology Co.,Ltd.

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