

## Unitika B2040G50 PA66, 50% Glass Fiber Reinforced, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 50% Glass Fiber Filled

**Material Notes:**

Information provided by Unitika Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unitika-B2040G50-PA66-50-Glass-Fiber-Reinforced-Conditioned.php](http://www.lookpolymers.com/polymer_Unitika-B2040G50-PA66-50-Glass-Fiber-Reinforced-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	1.4 %	1.4 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Thickness 3.20 mm	0.0020 in/in @Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0060 cm/cm @Thickness 3.20 mm	0.0060 in/in @Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	165 MPa	23900 psi	ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	ISO 527-1/-2
Tensile Modulus	11.2 GPa	1620 ksi	ISO 527-1/-2
Flexural Strength	230 MPa	33400 psi	ISO 178
Flexural Modulus	10.3 GPa	1490 ksi	ISO 178
Charpy Impact Unnotched	10.2 J/cm <sup>2</sup>	48.5 ft-lb/in <sup>2</sup>	ISO 179-1
Charpy Impact, Notched	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	20.0 μm/m-°C	11.1 μin/in-°F	ISO 11359-2

## Contact Songhan Plastic Technology Co.,Ltd.

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