

## Unitika A1022GFL60 PA6, 60% Glass Fiber Reinforced, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 60% Glass Fiber Filled

**Material Notes:**

Information provided by Unitika Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unitika-A1022GFL60-PA6-60-Glass-Fiber-Reinforced-Conditioned.php](http://www.lookpolymers.com/polymer_Unitika-A1022GFL60-PA6-60-Glass-Fiber-Reinforced-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.70 % @Time 86400 sec	0.70 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	1.1 %	1.1 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0010 cm/cm @Thickness 3.20 mm	0.0010 in/in @Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0030 cm/cm @Thickness 3.20 mm	0.0030 in/in @Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	170 MPa	24700 psi	ISO 527-1/-2
Elongation at Break	4.4 %	4.4 %	ISO 527-1/-2
Tensile Modulus	10.8 GPa	1570 ksi	ISO 527-1/-2
Flexural Strength	265 MPa	38400 psi	ISO 178
Flexural Modulus	10.3 GPa	1490 ksi	ISO 178
Charpy Impact Unnotched	9.30 J/cm <sup>2</sup>	44.3 ft-lb/in <sup>2</sup>	ISO 179-1
Charpy Impact, Notched	2.60 J/cm <sup>2</sup>	12.4 ft-lb/in <sup>2</sup>	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	22.0 µm/m-°C	12.2 µin/in-°F	ISO 11359-2

### Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215, Fengxian District, Shanghai City, China**