

## Polyram Polytron A50B01 Nylon 6.6, 50% Long Fiber Glass

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

**Material Notes:**

50% Long fiber glass reinforced black Nylon 6.6, heat stabilized for injection molding applications. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-Polytron-A50B01-Nylon-66-50-Long-Fiber-Glass.php](http://www.lookpolymers.com/polymer_Polyram-Polytron-A50B01-Nylon-66-50-Long-Fiber-Glass.php)

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	1.0 %	1.0 %	50% RH; ISO 62
Water Absorption at Saturation	3.4 %	3.4 %	ISO 62
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	230 MPa	33400 psi	ISO 527
Elongation at Break	1.5 %	1.5 %	ISO 527
Tensile Modulus	18.0 GPa	2610 ksi	ISO 527
Flexural Strength	380 MPa	55100 psi	ISO 178
Flexural Modulus	16.5 GPa	2390 ksi	ISO 178
Izod Impact, Notched (ISO)	25.0 kJ/m <sup>2</sup>	11.9 ft-lb/in <sup>2</sup>	ISO 180
Charpy Impact Unnotched	10.0 J/cm <sup>2</sup>	47.6 ft-lb/in <sup>2</sup>	ISO 179
Charpy Impact, Notched	2.80 J/cm <sup>2</sup>	13.3 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	253 °C	487 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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