

## Unitika A3130 PA6, 35% Mineral Reinforced, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Mineral Filled

### Material Notes:

Information provided by Unitika Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unitika-A3130-PA6-35-Mineral-Reinforced-Conditioned.php](http://www.lookpolymers.com/polymer_Unitika-A3130-PA6-35-Mineral-Reinforced-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	ISO 1183
Water Absorption	1.2 % @Time 86400 sec	1.2 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	1.8 %	1.8 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Thickness 3.20 mm	0.0040 in/in @Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0080 cm/cm @Thickness 3.20 mm	0.0080 in/in @Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ISO 2039
Tensile Strength at Break	50.0 MPa	7250 psi	ISO 527-1/-2
Elongation at Break	3.8 %	3.8 %	ISO 527-1/-2
Tensile Modulus	3.20 GPa	464 ksi	ISO 527-1/-2
Flexural Strength	70.0 MPa	10200 psi	ISO 178
Flexural Modulus	3.30 GPa	479 ksi	ISO 178
Charpy Impact Unnotched	4.80 J/cm <sup>2</sup>	22.8 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	50.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	27.8 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ISO 11359-2
Flammability, UL94	HB @Thickness 0.810 mm	HB @Thickness 0.0319 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+11 ohm-cm	5.00e+11 ohm-cm	IEC 60093

## Contact Songhan Plastic Technology Co.,Ltd.

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