

## Unitika A3130HR-25 PA6, 25% Mineral Reinforced, Dry

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Mineral Filled

### Material Notes:

Information provided by Unitika Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unitika-A3130HR-25-PA6-25-Mineral-Reinforced-Dry.php](http://www.lookpolymers.com/polymer_Unitika-A3130HR-25-PA6-25-Mineral-Reinforced-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in <sup>3</sup>	ISO 1183
Water Absorption	1.4 % @Time 86400 sec	1.4 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	2.1 %	2.1 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0060 - 0.010 cm/cm @Thickness 3.20 mm	0.0060 - 0.010 in/in @Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.010 cm/cm @Thickness 3.20 mm	0.0060 - 0.010 in/in @Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ISO 2039
Tensile Strength at Break	70.0 MPa	10200 psi	ISO 527-1/-2
Elongation at Break	3.5 %	3.5 %	ISO 527-1/-2
Tensile Modulus	5.40 GPa	783 ksi	ISO 527-1/-2
Flexural Strength	108 MPa	15700 psi	ISO 178
Flexural Modulus	4.20 GPa	609 ksi	ISO 178
Charpy Impact Unnotched	5.20 J/cm <sup>2</sup>	24.7 ft-lb/in <sup>2</sup>	ISO 179-1
Charpy Impact, Notched	0.300 J/cm <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 μm/m-°C	27.8 μin/in-°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	195 °C	383 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	111 °C	232 °F	ISO 75-1/-2

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 0.750 mm	@Thickness 0.0295 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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