

## Unitika A1030TF PA6, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

### Material Notes:

Lubricating nylon Information provided by Unitika Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unitika-A1030TF-PA6-Conditioned.php](http://www.lookpolymers.com/polymer_Unitika-A1030TF-PA6-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in <sup>3</sup>	ISO 1183
Water Absorption	1.6 % @Time 86400 sec	1.6 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	2.5 %	2.5 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.015 cm/cm @Thickness 3.20 mm	0.015 in/in @Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.018 cm/cm @Thickness 3.20 mm	0.018 in/in @Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ISO 2039
Tensile Strength, Yield	42.0 MPa	6090 psi	ISO 527-1/-2
Elongation at Break	28 %	28 %	ISO 527-1/-2
Tensile Modulus	0.840 GPa	122 ksi	ISO 527-1/-2
Flexural Strength	30.0 MPa	4350 psi	ISO 178
Flexural Modulus	0.800 GPa	116 ksi	ISO 178
Charpy Impact Unnotched	12.0 J/cm <sup>2</sup>	57.1 ft-lb/in <sup>2</sup>	ISO 179-1
Charpy Impact, Notched	1.20 J/cm <sup>2</sup>	5.71 ft-lb/in <sup>2</sup>	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 µm/m-°C	44.4 µin/in-°F	ISO 11359-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.00e+12 ohm-cm	7.00e+12 ohm-cm	IEC 60093

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

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