

## Unitika EX- 1030 PA6, Dry

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

### Material Notes:

High-impact nylon Information provided by Unitika Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unitika-EX-1030-PA6-Dry.php](http://www.lookpolymers.com/polymer_Unitika-EX-1030-PA6-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ISO 1183
Water Absorption	1.3 %	1.3 %	ISO 62
	@Time 86400 sec	@Time 24.0 hour	
Moisture Absorption at Equilibrium	2.0 %	2.0 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.012 cm/cm	0.012 in/in	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.016 cm/cm	0.016 in/in	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	93	93	ISO 2039
Tensile Strength, Yield	39.0 MPa	5660 psi	ISO 527-1/-2
Elongation at Break	>= 200 %	>= 200 %	ISO 527-1/-2
Elongation at Yield	5.0 %	5.0 %	ISO 527-1/-2
Tensile Modulus	1.50 GPa	218 ksi	ISO 527-1/-2
Flexural Strength	53.0 MPa	7690 psi	ISO 178
Flexural Modulus	1.50 GPa	218 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179-1
Charpy Impact, Notched	9.10 J/cm <sup>2</sup>	43.3 ft-lb/in <sup>2</sup>	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	120 μm/m-°C	66.7 μin/in-°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	82.0 °C	180 °F	ISO 75-1/-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (104 psi)	47.0°C	113°F	ISO 75-1/2
Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+13 ohm-cm	3.00e+13 ohm-cm	IEC 60093
Dielectric Constant	2.9 @Frequency 1.00e+6 Hz	2.9 @Frequency 1.00e+6 Hz	IEC 60250
Dielectric Strength	42.1 kV/mm @Thickness 1.00 mm	1070 kV/in @Thickness 0.0394 in	IEC 60243-1
Dissipation Factor	0.020 @Frequency 1.00e+6 Hz	0.020 @Frequency 1.00e+6 Hz	IEC 60250

## 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