

Unitika EX-1030 PA6, Conditioned

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

Material Notes:

High-impact nylonInformation provided by Unitika Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unitika-EX-1030-PA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	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	65	65	ISO 2039
Tensile Strength, Yield	28.0 MPa	4060 psi	ISO 527-1/-2
Elongation at Break	>= 200 %	>= 200 %	ISO 527-1/-2
Tensile Modulus	0.600 GPa	87.0 ksi	ISO 527-1/-2
Flexural Strength	21.0 MPa	3050 psi	ISO 178
Flexural Modulus	0.600 GPa	87.0 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179-1
Charpy Impact, Notched	NB	NB	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	120 µm/m-°C	66.7 µin/in-°F	ISO 11359-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+12 ohm-cm	3.00e+12 ohm-cm	IEC 60093

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