

Unitika EX-1222 PA6, Conditioned

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-1222-PA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183
Water Absorption	1.5 % @Time 86400 sec	1.5 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	2.2 %	2.2 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.012 cm/cm @Thickness 3.20 mm	0.012 in/in @Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.014 cm/cm @Thickness 3.20 mm	0.014 in/in @Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.0 MPa	4640 psi	ISO 527-1/-2
Elongation at Break	>= 200 %	>= 200 %	ISO 527-1/-2
Tensile Modulus	0.710 GPa	103 ksi	ISO 527-1/-2
Flexural Strength	26.0 MPa	3770 psi	ISO 178
Flexural Modulus	0.700 GPa	102 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	100 µm/m-°C	55.6 µin/in-°F	ISO 11359-2

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