

Unitika CX-2500 PA6, Conditioned

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

Material Notes:Transparent nylon
Information provided by Unitika Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unitika-CX-2500-PA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ISO 1183
Water Absorption	0.70 % @Time 86400 sec	0.70 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	1.3 %	1.3 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0070 cm/cm @Thickness 3.20 mm	0.0070 in/in @Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.013 cm/cm @Thickness 3.20 mm	0.013 in/in @Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	67.0 MPa	9720 psi	ISO 527-1/-2
Elongation at Break	60 %	60 %	ISO 527-1/-2
Elongation at Yield	6.0 %	6.0 %	ISO 527-1/-2
Tensile Modulus	2.70 GPa	392 ksi	ISO 527-1/-2
Flexural Strength	113 MPa	16400 psi	ISO 178
Flexural Modulus	2.60 GPa	377 ksi	ISO 178
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	ISO 179-1
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	77.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	42.8 $\mu\text{in}/\text{in}\cdot\text{°F}$	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °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.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China