

Polyram PlusTek PD1002NT Nylon 12 for Extrusion

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, Extrusion/Tubing Grade

Material Notes:

Medium viscosity Nylon 12 for extrusion application. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-PD1002NT-Nylon-12-for-Extrusion.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.70 %	0.70 %	50% RH; ISO 62
Water Absorption at Saturation	1.15 %	1.15 %	ISO 62
Linear Mold Shrinkage	0.0080 - 0.0090 cm/cm	0.0080 - 0.0090 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	ISO 527
Elongation at Break	70 %	70 %	ISO 527
Tensile Modulus	1.10 GPa	160 ksi	ISO 527
Izod Impact, Unnotched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	ISO 180
Charpy Impact Unnotched	NB	NB	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	175 °C	347 °F	ISO 11357
Maximum Service Temperature, Air	105 °C	221 °F	Continuous use
	150 °C	302 °F	Short peaks operation
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	IEC 60093

Surface Resistance Electrical Properties	1.00e+12 ohm Metric	1.00e+12 ohm English	IEC 60093 Comments
Dielectric Strength	32.0 kV/mm	813 kV/in	IEC 60250
Comparative Tracking Index	600 V	600 V	IEC 60112

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