

Addiplast Addinyl PMD 20090 Nylon 6, 40% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 40% Glass Fiber Filled

Material Notes:

Glass fiber reinforced, high resistance to friction Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-PMD-20090-Nylon-6-40-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	77	77	Conditioned; ISO 868
	84	84	ISO 868
Tensile Strength at Break	90.0 MPa	13100 psi	Conditioned; ISO R 527
	130 MPa	18900 psi	ISO R 527
Elongation at Yield	5.0 %	5.0 %	ISO R 527
	8.0 %	8.0 %	Conditioned; ISO R 527
Modulus of Elasticity	4.75 GPa	689 ksi	Conditioned; ISO 178
	8.30 GPa	1200 ksi	ISO 178
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	ISO 180/1A
	32.0 kJ/m ²	15.2 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	3.50 J/cm ²	16.7 ft-lb/in ²	ISO 179/IeU
	4.50 J/cm ²	21.4 ft-lb/in ²	Conditioned; ISO 179/IeU
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	ISO 179/IeA
	2.50 J/cm ²	11.9 ft-lb/in ²	Conditioned; ISO 179/IeA

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 µm/m-°C	16.7 µin/in-°F	ASTM E831
Melting Point	220 °C	428 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ISO 75-2/AF

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	CEI 60112/Solution A

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