

Addiplast Addinyl PMD 20164 Nylon 6

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

Material Notes:

High resistance to repeated impacts
Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-PMD-20164-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	Conditioned; ISO 868
	82	82	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	4.0 %	4.0 %	ISO R 527
	6.0 %	6.0 %	Conditioned; ISO R 527
Modulus of Elasticity	5.00 GPa	725 ksi	Conditioned; ISO 178
	8.00 GPa	1160 ksi	ISO 178
Izod Impact, Notched (ISO)	20.0 kJ/m ²	9.52 ft-lb/in ²	ISO 180/1A
	25.0 kJ/m ²	11.9 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	ISO 179/leU
	9.00 J/cm ²	42.8 ft-lb/in ²	Conditioned; ISO 179/leU
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	ISO 179/leA
	2.50 J/cm ²	11.9 ft-lb/in ²	Conditioned; ISO 179/leA

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ISO 75-2/AF

Electrical Properties	Metric	English	Comments
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Volume Resistivity Electrical Properties	1.00e+11 ohm-cm Metric	1.00e+11 ohm-cm English	Conditioned; CEI 60093 Comments
	1.00e+15 ohm-cm	1.00e+15 ohm-cm	CEI 60093
Comparative Tracking Index	>= 600 V	>= 600 V	CEI 60112/Solution A

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