

Addiplast Addinyl PMD 20143 Nylon 6

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

Material Notes:

High impact resistance Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-PMD-20143-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	71	71	Conditioned; ISO 868
	79	79	ISO 868
Tensile Strength, Yield	35.0 MPa	5080 psi	Conditioned; ISO R 527
	60.0 MPa	8700 psi	ISO R 527
Elongation at Yield	>= 50 %	>= 50 %	ISO R 527
	>= 50 %	>= 50 %	Conditioned; ISO R 527
Modulus of Elasticity	0.700 GPa	102 ksi	Conditioned; ISO 178
	2.10 GPa	305 ksi	ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	ISO 180/1A
	NB	NB	Conditioned; ISO 180/1A
Charpy Impact Unnotched	NB	NB	ISO 179/leU
	NB	NB	Conditioned; ISO 179/leU
Charpy Impact, Notched	1.50 J/cm ²	7.14 ft-lb/in ²	ISO 179/leA
	4.00 J/cm ²	19.0 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)	70.0 °C	158 °F	ISO 75-2/AF

Electrical Properties	Metric	English	Comments
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Volume Resistivity Electrical Properties	1.00e+12 ohm-cm Metric	1.00e+12 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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