

Addiplast Addinyl A2 Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

Material Notes:

Unreinforced, medium viscosity Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-A2-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	78	78	Conditioned; ISO 868
	84	84	ISO 868
Tensile Strength, Yield	85.0 MPa	12300 psi	ISO R 527
	90.0 MPa	13100 psi	Conditioned; ISO R 527
Elongation at Yield	40 %	40 %	ISO R 527
	>= 50 %	>= 50 %	Conditioned; ISO R 527
Modulus of Elasticity	1.20 GPa	174 ksi	Conditioned; ISO 178
	2.80 GPa	406 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180/1A
	12.0 kJ/m ²	5.71 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	NB	NB	ISO 179/leU
	NB	NB	Conditioned; ISO 179/leU
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	ISO 179/leA
	1.10 J/cm ²	5.23 ft-lb/in ²	Conditioned; ISO 179/leA

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 μm/m-°C	44.4 μin/in-°F	ASTM E831
Melting Point	260 °C	500 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	ISO 75-2/AF

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	Conditioned; CEI 60093
	1.00e+15 ohm-cm	1.00e+15 ohm-cm	CEI 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	Conditioned; CEI 60093
	1.00e+15 ohm	1.00e+15 ohm	CEI 60093
Dielectric Strength	27.0 kV/mm	686 kV/in	Conditioned; CEI 60243-1
	28.0 kV/mm	711 kV/in	CEI 60243-1
Comparative Tracking Index	600 V	600 V	CEI 60112/Solution A

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