

Addiplast Addinyl C2 Nylon 66/6

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , Unreinforced

Material Notes:

Unreinforced, medium viscosity Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-C2-Nylon-666.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	76	76	Conditioned; ISO 868
	83	83	ISO 868
Tensile Strength, Yield	50.0 MPa	7250 psi	Conditioned; ISO R 527
	85.0 MPa	12300 psi	ISO R 527
Elongation at Yield	40 %	40 %	ISO R 527
	>= 50 %	>= 50 %	Conditioned; ISO R 527
Modulus of Elasticity	1.00 GPa	145 ksi	Conditioned; ISO 178
	2.80 GPa	406 ksi	ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	ISO 180/1A
	16.0 kJ/m ²	7.61 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	NB	NB	ISO 179/IeU
	NB	NB	Conditioned; ISO 179/IeU
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	ISO 179/IeA
	1.50 J/cm ²	7.14 ft-lb/in ²	Conditioned; ISO 179/IeA

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 µm/m-°C	44.4 µin/in-°F	ASTM E831
Melting Point	243 °C	469 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ISO 75-2/AF

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	Conditioned; CEI 60093
	1.00e+15 ohm-cm	1.00e+15 ohm-cm	CEI 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	Conditioned; CEI 60093
	1.00e+15 ohm	1.00e+15 ohm	CEI 60093
Dielectric Strength	26.0 kV/mm	660 kV/in	Conditioned; CEI 60243-1
	27.0 kV/mm	686 kV/in	CEI 60243-1
Comparative Tracking Index	600 V	600 V	CEI 60112/Solution A

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