

Addiplast Addinyl C2 R Nylon 66/6

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

Material Notes:

High impact resistance Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-C2-R-Nylon-666.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	Conditioned; ISO 868
	78	78	ISO 868
Tensile Strength, Yield	35.0 MPa	5080 psi	Conditioned; ISO R 527
	55.0 MPa	7980 psi	ISO R 527
Elongation at Yield	50 %	50 %	ISO R 527
	>= 50 %	>= 50 %	Conditioned; ISO R 527
Modulus of Elasticity	0.600 GPa	87.0 ksi	Conditioned; ISO 178
	1.90 GPa	276 ksi	ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	ISO 180/1A
	20.0 kJ/m ²	9.52 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	1.20 J/cm ²	5.71 ft-lb/in ²	ISO 179/IeA
	NB	NB	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+12 ohm	1.00e+12 ohm	Conditioned; CEI 60093
	1.00e+15 ohm	1.00e+15 ohm	CEI 60093
Comparative Tracking Index	600 V	600 V	CEI 60112/Solution A

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