

Addiplast Addinyl B2 V30 Nylon 6, 30% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

Glass fiber reinforced, high strength Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-B2-V30-Nylon-6-30-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 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 at Break	110 MPa	16000 psi	Conditioned; ISO R 527
	170 MPa	24700 psi	ISO R 527
Elongation at Yield	3.0 %	3.0 %	ISO R 527
	5.0 %	5.0 %	Conditioned; ISO R 527
Modulus of Elasticity	4.80 GPa	696 ksi	Conditioned; ISO 178
	8.20 GPa	1190 ksi	ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m ²	6.66 ft-lb/in ²	ISO 180/1A
	22.0 kJ/m ²	10.5 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	6.50 J/cm ²	30.9 ft-lb/in ²	ISO 179/IeU
	7.50 J/cm ²	35.7 ft-lb/in ²	Conditioned; ISO 179/IeU
Charpy Impact, Notched	1.10 J/cm ²	5.23 ft-lb/in ²	ISO 179/IeA
	1.90 J/cm ²	9.04 ft-lb/in ²	Conditioned; ISO 179/IeA

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 µm/m-°C	16.7 µin/in-°F	ASTM E831
Melting Point	220 °C	428 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ISO 75-2/AF

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	Conditioned; CEI 60093
	1.00e+15 ohm-cm	1.00e+15 ohm-cm	CEI 60093
Dielectric Strength	30.0 kV/mm	762 kV/in	Conditioned; CEI 60243-1
	35.0 kV/mm	889 kV/in	CEI 60243-1
Comparative Tracking Index	550 V	550 V	CEI 60112/Solution A

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