

Addiplast Addinyl B2 G30 Nylon 6, 30% Glass Bead

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass Bead Filled

Material Notes:

Glass bead reinforced, improved stiffness and dimensional stability Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-B2-G30-Nylon-6-30-Glass-Bead.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	Conditioned; ISO 868
	85	85	ISO 868
Tensile Strength at Break	40.0 MPa	5800 psi	Conditioned; ISO R 527
	70.0 MPa	10200 psi	ISO R 527
Elongation at Yield	6.0 %	6.0 %	ISO R 527
	11 %	11 %	Conditioned; ISO R 527
Modulus of Elasticity	1.50 GPa	218 ksi	Conditioned; ISO 178
	3.80 GPa	551 ksi	ISO 178
Izod Impact, Notched (ISO)	3.50 kJ/m ²	1.67 ft-lb/in ²	ISO 180/1A
	6.00 kJ/m ²	2.86 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	4.50 J/cm ²	21.4 ft-lb/in ²	ISO 179/leU
	NB	NB	Conditioned; ISO 179/leU
Charpy Impact, Notched	0.300 J/cm ²	1.43 ft-lb/in ²	ISO 179/leA
	0.500 J/cm ²	2.38 ft-lb/in ²	Conditioned; ISO 179/leA

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 μm/m-°C	27.8 μin/in-°F	ASTM E831
Melting Point	220 °C	428 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ISO 75-2/AF

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	Conditioned; CEI 60093
	1.00e+15 ohm-cm	1.00e+15 ohm-cm	CEI 60093
Dielectric Strength	24.0 kV/mm	610 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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