

Addiplast Addinyl B2 V15 Nylon 6, 15% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 20% 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-V15-Nylon-6-15-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	74	74	Conditioned; ISO 868
	83	83	ISO 868
Tensile Strength at Break	70.0 MPa	10200 psi	Conditioned; ISO R 527
	125 MPa	18100 psi	ISO R 527
Elongation at Yield	3.5 %	3.5 %	ISO R 527
	6.0 %	6.0 %	Conditioned; ISO R 527
Modulus of Elasticity	3.00 GPa	435 ksi	Conditioned; ISO 178
	5.00 GPa	725 ksi	ISO 178
Izod Impact, Notched (ISO)	7.50 kJ/m ²	3.57 ft-lb/in ²	ISO 180/1A
	13.0 kJ/m ²	6.19 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	ISO 179/IeU
	5.50 J/cm ²	26.2 ft-lb/in ²	Conditioned; ISO 179/IeU
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	ISO 179/IeA
	1.00 J/cm ²	4.76 ft-lb/in ²	Conditioned; ISO 179/IeA

Thermal Properties	Metric	English	Comments
CTE, linear	35.0 µm/m-°C	19.4 µin/in-°F	ASTM E831
Melting Point	220 °C	428 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °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
	33.0 kV/mm	838 kV/in	CEI 60243-1
Comparative Tracking Index	550 V	550 V	CEI 60112/Solution A

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