

Addiplast Addinyl B2 G10 V20 Nylon 6, Glass/Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass/Mineral Reinforced

Material Notes:

Mixed products with improved stiffness and good dimensional stability, low warpage. Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-B2-G10-V20-Nylon-6-GlassMineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	Conditioned; ISO 868
	84	84	ISO 868
Tensile Strength at Break	80.0 MPa	11600 psi	Conditioned; ISO R 527
	120 MPa	17400 psi	ISO R 527
Elongation at Yield	5.0 %	5.0 %	ISO R 527
	7.0 %	7.0 %	Conditioned; ISO R 527
Modulus of Elasticity	3.50 GPa	508 ksi	Conditioned; ISO 178
	6.00 GPa	870 ksi	ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 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	5.00 J/cm ²	23.8 ft-lb/in ²	ISO 179/leU
	5.50 J/cm ²	26.2 ft-lb/in ²	Conditioned; ISO 179/leU
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179/leA
	1.20 J/cm ²	5.71 ft-lb/in ²	Conditioned; ISO 179/leA

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 μm/m-°C	22.2 μin/in-°F	ASTM E831
Melting Point	220 °C	428 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °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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