

Addiplast Addinyl A2 M20 V10 Nylon 66, Glass/Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass/Mineral Filled

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-A2-M20-V10-Nylon-66-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	80	80	Conditioned; ISO 868
	86	86	ISO 868
Tensile Strength at Break	75.0 MPa	10900 psi	Conditioned; ISO R 527
	120 MPa	17400 psi	ISO R 527
Elongation at Yield	4.5 %	4.5 %	ISO R 527
	6.0 %	6.0 %	Conditioned; ISO R 527
Modulus of Elasticity	3.70 GPa	537 ksi	Conditioned; ISO 178
	7.80 GPa	1130 ksi	ISO 178
Izod Impact, Notched (ISO)	4.50 kJ/m ²	2.14 ft-lb/in ²	ISO 180/1A
	5.00 kJ/m ²	2.38 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	3.50 J/cm ²	16.7 ft-lb/in ²	ISO 179/IeU
	4.50 J/cm ²	21.4 ft-lb/in ²	Conditioned; ISO 179/IeU
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	ISO 179/IeA
	0.500 J/cm ²	2.38 ft-lb/in ²	Conditioned; ISO 179/IeA

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 µm/m-°C	22.2 µin/in-°F	ASTM E831
Melting Point	260 °C	500 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °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
Comparative Tracking Index	600 V	600 V	CEI 60112/Solution A

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