

Addiplast Addinyl C2 M20 V10 Nylon 66/6, Glass/Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6, 10% Glass Fiber Reinforced , Nylon 66/6, 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-C2-M20-V10-Nylon-666-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
	84	84	ISO 868
Tensile Strength at Break	60.0 MPa	8700 psi	Conditioned; ISO R 527
	105 MPa	15200 psi	ISO R 527
Elongation at Yield	5.0 %	5.0 %	ISO R 527
	9.0 %	9.0 %	Conditioned; ISO R 527
Modulus of Elasticity	3.50 GPa	508 ksi	Conditioned; ISO 178
	7.50 GPa	1090 ksi	ISO 178
Izod Impact, Notched (ISO)	5.50 kJ/m ²	2.62 ft-lb/in ²	ISO 180/1A
	7.00 kJ/m ²	3.33 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
	6.00 J/cm ²	28.6 ft-lb/in ²	Conditioned; ISO 179/leU
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	ISO 179/leA
	0.700 J/cm ²	3.33 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	243 °C	469 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	220 °C	428 °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
Comparative Tracking Index	600 V	600 V	CEI 60112/Solution A

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