

Addiplast Addinyl B2 ZM30 Nylon 6, 30% Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Mineral Filled

Material Notes:

Mineral filled, increased thermal aging stability Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-B2-ZM30-Nylon-6-30-Mineral-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	78	78	Conditioned; ISO 868
	85	85	ISO 868
Tensile Strength at Break	50.0 MPa	7250 psi	Conditioned; ISO R 527
	80.0 MPa	11600 psi	ISO R 527
Elongation at Yield	10 %	10 %	ISO R 527
	40 %	40 %	Conditioned; ISO R 527
Modulus of Elasticity	2.60 GPa	377 ksi	Conditioned; ISO 178
	6.00 GPa	870 ksi	ISO 178
Izod Impact, Notched (ISO)	6.50 kJ/m ²	3.09 ft-lb/in ²	ISO 180/1A
	15.0 kJ/m ²	7.14 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	ISO 179/leU
	NB	NB	Conditioned; ISO 179/leU
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	ISO 179/leA
	1.50 J/cm ²	7.14 ft-lb/in ²	Conditioned; ISO 179/leA

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 μm/m-°C	33.3 μin/in-°F	ASTM E831
Melting Point	220 °C	428 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °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
	35.0 kV/mm	889 kV/in	CEI 60243-1
Comparative Tracking Index	550 V	550 V	CEI 60112/Solution A

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