

Addiplast Addinyl A2 ZP40 Nylon 66, 40% Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 40% 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-A2-ZP40-Nylon-66-40-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	Conditioned; ISO 868
	88	88	ISO 868
Tensile Strength at Break	60.0 MPa	8700 psi	Conditioned; ISO R 527
	85.0 MPa	12300 psi	ISO R 527
Elongation at Yield	10 %	10 %	ISO R 527
	35 %	35 %	Conditioned; ISO R 527
Modulus of Elasticity	1.60 GPa	232 ksi	Conditioned; ISO 178
	5.10 GPa	740 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180/1A
	9.00 kJ/m ²	4.28 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	NB	NB	ISO 179/IeU
	NB	NB	Conditioned; ISO 179/IeU
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	ISO 179/IeA
	0.900 J/cm ²	4.28 ft-lb/in ²	Conditioned; ISO 179/IeA

Thermal Properties	Metric	English	Comments
CTE, linear	55.0 μm/m-°C	30.6 μin/in-°F	ASTM E831
Melting Point	260 °C	500 °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	25.0 kV/mm	635 kV/in	Conditioned; CEI 60243-1
	30.0 kV/mm	762 kV/in	CEI 60243-1
Comparative Tracking Index	550 V	550 V	CEI 60112/Solution A

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