

Addiplast Addinyl B2H M30 Flame Retardant Nylon 6, 30% Mineral Filled

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

Material Notes:

Flame retardant, 30% mineral filled, with halogens Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-B2H-M30-Flame-Retardant-Nylon-6-30-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	Conditioned; ISO 868
	85	85	ISO 868
Tensile Strength at Break	40.0 MPa	5800 psi	Conditioned; ISO R 527
	70.0 MPa	10200 psi	ISO R 527
Elongation at Break	5.0 %	5.0 %	ISO R 527
	10 %	10 %	Conditioned; ISO R 527
Modulus of Elasticity	3.50 GPa	508 ksi	Conditioned; ISO 178
	7.00 GPa	1020 ksi	ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 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	3.00 J/cm ²	14.3 ft-lb/in ²	ISO 179/leU
	5.00 J/cm ²	23.8 ft-lb/in ²	Conditioned; ISO 179/leU
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	ISO 179/leA
	0.600 J/cm ²	2.86 ft-lb/in ²	Conditioned; ISO 179/leA

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	150 °C	302 °F	ISO 75-2/AF
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Thermal Properties	Metric	English	Comments
Glow Wire Test	960 °C	1760 °F	CEI 60695/2/1

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
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	CEI 60093
Comparative Tracking Index	350 V	350 V	CEI 60112/Solution A

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