

Addiplast Addinyl A2 1 Flame Retardant Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced, Flame Retardant

Material Notes:

Flame retardant, halogen free Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-A2-1-Flame-Retardant-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 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
	60.0 MPa	8700 psi	ISO R 527
Elongation at Break	3.0 %	3.0 %	ISO R 527
	15 %	15 %	Conditioned; ISO R 527
Modulus of Elasticity	2.00 GPa	290 ksi	Conditioned; ISO 178
	3.50 GPa	508 ksi	ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	ISO 180/1A
	8.00 kJ/m ²	3.81 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	0.250 J/cm ²	1.19 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
Melting Point	260 °C	500 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	ISO 75-2/AF
Flammability, UL94	V-0	V-0	
	@Thickness 0.800 mm	@Thickness 0.0315 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+14 ohm-cm	1.00e+14 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	Conditioned; CEI 60093
	1.00e+15 ohm	1.00e+15 ohm	CEI 60093
Dielectric Strength	28.0 kV/mm	711 kV/in	CEI 60243-1
Comparative Tracking Index	>= 600 V	>= 600 V	CEI 60112/Solution A

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