

Addiplast Addinyl A2H V25 Flame Retardant Nylon 66, 25% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, Glass Fiber Filled, Flame Retardant

Material Notes:

Flame retardant, 25% glass fiber reinforced, with halogens Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-A2H-V25-Flame-Retardant-Nylon-66-25-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	89	89	Conditioned; ISO 868
	90	90	ISO 868
Tensile Strength at Break	110 MPa	16000 psi	Conditioned; ISO R 527
	140 MPa	20300 psi	ISO R 527
Elongation at Break	5.0 %	5.0 %	ISO R 527
	5.0 %	5.0 %	Conditioned; ISO R 527
Modulus of Elasticity	6.50 GPa	943 ksi	Conditioned; ISO 178
	8.50 GPa	1230 ksi	ISO 178
Izod Impact, Notched (ISO)	9.50 kJ/m ²	4.52 ft-lb/in ²	ISO 180/1A
	10.5 kJ/m ²	5.00 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	6.00 J/cm ²	28.6 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	0.950 J/cm ²	4.52 ft-lb/in ²	ISO 179/leA
	1.10 J/cm ²	5.23 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)	245 °C	473 °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+11 ohm	1.00e+11 ohm	Conditioned; CEI 60093
	1.00e+14 ohm	1.00e+14 ohm	CEI 60093
Comparative Tracking Index	275 V	275 V	CEI 60112/Solution A

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