

Zhejiang Juner PA-A6-6H High CTI Value Halogen-Free Environmental Protection Flame-Resistant and Reinforced Polyamide

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Mineral Reinforced, Impact Grade

Material Notes:

Applications: Circuit Breaker, Base Information provided by Zhejiang Juner New Materials Co, Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zhejiang-Junier-PA-A6-6H-High-CTI-Value-Halogen-Free-Environmental-Protection-Flame-Resistant-and-Reinforced-Polyamide.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	GB/1033
Water Absorption	0.60 %	0.60 %	23°C•24h

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	GB/1040
Elongation at Break	2.0 %	2.0 %	GB/1040
Flexural Strength	100 MPa	14500 psi	GB/9341
Flexural Modulus	8.80 GPa	1280 ksi	GB/9341
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	ISO179-1:2000
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	ISO179-1:2000

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	150 °C	302 °F	GB1634
Flammability, UL94	V-0	V-0	GB/T2408

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	GB/1410
Comparative Tracking Index	550 V	550 V	GB/4207

Processing Properties	Metric	English	Comments
Processing Temperature	225 - 250 °C	437 - 482 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	
	110 °C	230 °F	

Drying Temperature Processing Properties	Metric	English	Chute Hot-Wind Comments
	110 °C @Time 18000 sec	230 °F @Time 5.00 hour	Horizontal Oven
	110 °C @Time 7200 sec	230 °F @Time 2.00 hour	Vacuum Pressure, -0.08 MPa
Injection Pressure	80.0 - 100 MPa	11600 - 14500 psi	

Descriptive Properties	Value	Comments
Speed of Shoot, %	35-80	

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