

Zhejiang Juner PC-A1 Top-Grade Flame Retardant UV-Resistant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Unreinforced, Flame Retardant

Material Notes:

Applications: Top-Grade Wall Switch, Bracket
Information provided by Zhejiang Juner New Materials Co, Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zhejiang-Juner-PC-A1-Top-Grade-Flame-Retardant-UV-Resistant.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	GB/1033
Water Absorption	0.30 %	0.30 %	GB/T1034
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	GB/15585

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	58.0 MPa	8410 psi	GB/1040
Flexural Strength	89.0 MPa	12900 psi	GB/9341
Charpy Impact Unnotched	NB	NB	ISO179-1:2000
Charpy Impact, Notched	6.00 J/cm ²	28.6 ft-lb/in ²	ISO179-1:2000

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	125 °C	257 °F	GB/1634
Flammability, UL94	V-2	V-2	GB/T2408
Glow Wire Test	850 °C	1560 °F	< 30 sec; GB/2099.1

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	D257
Comparative Tracking Index	200 V	200 V	GB/4207

Processing Properties	Metric	English	Comments
Processing Temperature	250 - 290 °C	482 - 554 °F	
Drying Temperature	120 °C	248 °F	Chute Hot-Wind
	@Time 14400 sec	@Time 4.00 hour	
	120 °C	248 °F	Horizontal Oven

Processing Properties	@Time 21600 sec Metric	@Time 6.00 hour English	Comments
Injection Pressure	80.0 - 120 MPa	11600 - 17400 psi	

Descriptive Properties	Value	Comments
Chromatism (?E)	=0.6	
Granule Diameter	Φ3x3-5	
Speed of Shoot, %	45-90	
Surface Polish	High	
Weatherability	Good	

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