

Zhejiang Juner PC-3-1 Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Applications: Shell of Small Household Electric Appliance Information provided by Zhejiang Juner New Materials Co, Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zhejiang-Juner-PC-3-1-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	GB/1033
Water Absorption	0.30 %	0.30 %	GB/T1034
Linear Mold Shrinkage	0.0050 - 0.0060 cm/cm	0.0050 - 0.0060 in/in	GB/15585

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	52.0 MPa	7540 psi	GB/1040
Flexural Strength	82.0 MPa	11900 psi	GB/9341
Charpy Impact Unnotched	NB	NB	ISO179-1:2000
Charpy Impact, Notched	4.50 J/cm ²	21.4 ft-lb/in ²	ISO179-1:2000

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	GB/1634
Flammability, UL94	HB - V-0	HB - V-0	GB/T2408

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	225 - 270 °C	437 - 518 °F	
Drying Temperature	100 °C	212 °F	Chute Hot-Wind
	@Time 14400 sec	@Time 4.00 hour	
	100 °C	212 °F	Horizontal Oven
	@Time 18000 sec	@Time 5.00 hour	

Injection Pressure Processing Properties	50.0 - 100 MPa Metric	7250 - 14500 psi English	Comments
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Descriptive Properties	Value	Comments
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Chromatism (?E)	=0.8	
Granule Diameter	Φ3x3-5	
Speed of Shoot, %	35-80	
Surface Polish	High	
Weatherability	Adjustive	

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