

Zhejiang Juner PC/PET Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zhejiang-Juner-PCPET-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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	GB/1040
Flexural Strength	78.0 MPa	11300 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)	80.0 - 110 °C	176 - 230 °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

Processing Properties	Metric	English	Comments
Processing Temperature	230 - 280 °C	446 - 536 °F	
Drying Temperature	100 °C	212 °F	Chute Hot-Wind
	@Time 18000 sec	@Time 5.00 hour	
	100 °C	212 °F	Horizontal Oven
	@Time 28800 sec	@Time 8.00 hour	
Injection Pressure	60.0 - 120 MPa	8700 - 17400 psi	

Descriptive Properties	Value	Comments
Chromatism (?E)	=0.8	
Granule Diameter	Φ3x3-5	
Low Temp Tenacity (-20°C)	Good (Keep 80% of the original impact strength)	
Speed of Shoot, %	35-80	
Surface Polish	High	

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