

## Zhejiang Juner PC/PBT Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

### 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-PCPBT-Alloy.php](http://www.lookpolymers.com/polymer_Zhejiang-Juner-PCPBT-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	GB/1033
Water Absorption	0.30 %	0.30 %	GB/T1034
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	GB/15585

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 <sup>2</sup>	28.6 ft-lb/in <sup>2</sup>	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 Processing Properties	60.0 - 120 MPa Metric	8700 - 17400 psi English	Comments
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Descriptive Properties	Value	Comments
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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	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China