

Kingfa JE2-R2G30 Glass Fiber Reinforced ABS/PBT Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Features: High stiffness, high hardness Good mechanical strength Good chemical resistance Good size stability Good heat stability Low tendency to warp Applications: Optical appliance (camera, video) Sports appliance Printer, photocopier cabinet Scanner parts Automobile instrument panels Information Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kingfa-JE2-R2G30-Glass-Fiber-Reinforced-ABSPBT-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	Plumb; ASTM D955
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D955
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	84	84	ASTM D785
Tensile Strength at Break	112 MPa	16200 psi	10mm/min; ASTM D638
Elongation at Break	5.0 %	5.0 %	10mm/min; ASTM D638
Flexural Strength	185 MPa	26800 psi	2mm/min; ASTM D790
Flexural Modulus	9.50 GPa	1380 ksi	2mm/min; ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature 23.0 °C	@Thickness 0.126 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	118 °C	244 °F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flammability, UL94	V-2	V-2	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
	V-2	V-2	
	@Thickness 3.30 mm	@Thickness 0.130 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Processing Temperature	<= 265 °C	<= 509 °F	
Rear Barrel Temperature	245 - 265 °C	473 - 509 °F	Start Point: 250°C
Middle Barrel Temperature	240 - 260 °C	464 - 500 °F	Start Point: 245°C
Front Barrel Temperature	235 - 260 °C	455 - 500 °F	Start Point: 240°C
Melt Temperature	235 - 260 °C	455 - 500 °F	Start Point: 250°C
Mold Temperature	60.0 - 110 °C	140 - 230 °F	Start Point: 90°C
Drying Temperature	100 - 110 °C @Time 7200 - 10800 sec	212 - 230 °F @Time 2.00 - 3.00 hour	Pre-dry
Back Pressure	0.300 - 1.00 MPa	43.5 - 145 psi	

Descriptive Properties	Value	Comments
Injection Speed	60-80%	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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