

Kingfa JE2-R2G20 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-R2G20-Glass-Fiber-Reinforced-ABSPBT-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Linear Mold Shrinkage	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	Plumb; ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Linear Mold Shrinkage, Flow	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	82	82	ASTM D785
Tensile Strength at Break	90.0 MPa	13100 psi	10mm/min; ASTM D638
Elongation at Break	5.0 %	5.0 %	10mm/min; ASTM D638
Flexural Strength	145 MPa	21000 psi	2mm/min; ASTM D790
Flexural Modulus	7.80 GPa	1130 ksi	2mm/min; ASTM D790
Izod Impact, Notched	0.750 J/cm	1.41 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature 23.0 Å°C	@Thickness 0.126 in, Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	122 Å°C	252 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	110 Å°C	230 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

Thermal Properties	V-2 Metric	V-2 English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	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 Â°C	<= 509 Â°F	
Rear Barrel Temperature	245 - 265 Â°C	473 - 509 Â°F	Start Point: 250Â°C
Middle Barrel Temperature	240 - 260 Â°C	464 - 500 Â°F	Start Point: 245Â°C
Front Barrel Temperature	235 - 260 Â°C	455 - 500 Â°F	Start Point: 240Â°C
Melt Temperature	235 - 260 Â°C	455 - 500 Â°F	Start Point: 250Â°C
Mold Temperature	60.0 - 110 Â°C	140 - 230 Â°F	Start Point: 90Â°C
Drying Temperature	100 - 110 Â°C @Time 7200 - 10800 sec	212 - 230 Â°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%	

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