

Kingfa JE2-R2 ABS/PBT Alloy

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

Material Notes:

Features:Low costExcellent balance propertiesGood processing propertiesGood heat stabilityGood size stabilityGood

surfaceApplications:CD-ROM, DVDPrinter, scanner, photocopier cabinetElectric and electronic partsAutomobile partsInformation Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kingfa-JE2-R2-ABSPBT-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc @Temperature 23.0 Â°C	1.07 g/cc @Temperature 73.4 Â°F	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm @Temperature 23.0 Â°C	0.0060 - 0.0080 in/in @Temperature 73.4 Â°F	Plumb; ASTM D955
Linear Mold Shrinkage, Flow	0.0050 - 0.0060 cm/cm @Temperature 23.0 Â°C	0.0050 - 0.0060 in/in @Temperature 73.4 Â°F	ASTM D955
Melt Flow	22 g/10 min @Load 5.00 kg, Temperature 230 Â°C	22 g/10 min @Load 11.0 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength at Break	45.0 MPa	6530 psi	50mm/min; ASTM D638
Elongation at Break	>= 20 %	>= 20 %	50mm/min; ASTM D638
Flexural Strength	65.0 MPa	9430 psi	2mm/min; ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	2mm/min; ASTM D790
Izod Impact, Notched	2.10 J/cm @Thickness 3.20 mm, Temperature 23.0 Â°C	3.93 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 Â°C @Thickness 6.40 mm	203 Â°F @Thickness 0.252 in	ASTM D648

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	@Thickness 6.40 mm	@Thickness 0.252 in	ASTM D648
Flammability, UL94	V-2	V-2	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-2	V-2	
	@Thickness 3.20 mm	@Thickness 0.126 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	<= 250 Â°C	<= 482 Â°F	
Rear Barrel Temperature	210 - 230 Â°C	410 - 446 Â°F	Start Point: 215Â°C
Middle Barrel Temperature	220 - 230 Â°C	428 - 446 Â°F	Start Point: 225Â°C
Front Barrel Temperature	220 - 240 Â°C	428 - 464 Â°F	Start Point: 230Â°C
Melt Temperature	220 - 240 Â°C	428 - 464 Â°F	Start Point: 230Â°C
Mold Temperature	40.0 - 80.0 Â°C	104 - 176 Â°F	Start Point: 60Â°C
Drying Temperature	80.0 - 90.0 Â°C @Time 10800 - 14400 sec	176 - 194 Â°F @Time 3.00 - 4.00 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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