

Kingfa PBT JE2-R2

Acrylonitrile Butadiene Styrene + PBT

Kingfa

Message:

Kingfa PBT JE2-R2 is an acrylonitrile butadiene styrene PBT (ABS PBT) material. This product is available in North America or Asia Pacific region. The processing method is injection molding.

The main features of Kingfa PBT JE2-R2 are:

flame retardant/rated flame

Good processability

beautiful

heat stabilizer

Typical application areas include:

Automotive Industry

Electrical/electronic applications

printing applications

General Information			
UL YellowCard	E171666-225720		
Additive	heat stabilizer		
Features	Workability, good		
	Thermal Stability		
	Excellent appearance		
Uses	Electrical components		
	Car interior parts		
	Automotive exterior parts		
	Printing press		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	22	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow: 23°C	0.50 - 0.60	%	ASTM D955
Transverse flow: 23°C	0.60 - 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	45.0	MPa	ASTM D638
Tensile Elongation ² (Break)	20	%	ASTM D638
Flexural Modulus ³	2100	MPa	ASTM D790
Flexural Strength ⁴	65.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	95.0	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	84.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-2		UL 94
3.20 mm	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	210 - 230	°C	
Middle Temperature	220 - 230	°C	
Front Temperature	220 - 240	°C	
Processing (Melt) Temp	220 - 240	°C	
Mold Temperature	40.0 - 80.0	°C	
Back Pressure	0.300 - 1.00	MPa	
Injection instructions			
Processing Temperature Limit: 250°C Injection Speed: 60 to 80%			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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