

Kepamid® 2320CF

Polyamide 66

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID 2320CF is a carbon fiber 20%-reinforced conductive PA66 grade.

It has good mechanical properties, heat resistance, wear resistance, and electrical properties.

It is suitable for automotive, electrical & electronics, and industrial parts requiring high stiffness, heat resistance, and conductivity.

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 20% filler by weight		
Features	Rigidity, high		
	Good electrical performance		
	Good wear resistance		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
	Industrial components		
	Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	245	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	14300	MPa	ISO 178
Flexural Stress	340	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	250	°C	ISO 75-2/B
Melting Temperature ¹	260	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+3	ohms · cm	IEC 60093
Relative Permittivity (1 MHz)	3.60		IEC 60250
Flammability	Nominal Value	Unit	Test Method

Flame Rating (0.8 mm)	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature		
--	90	°C
Dry Air Dryer	80	°C
Drying Time		
--	6.0 - 8.0	hr
Dry Air Dryer	4.0 - 6.0	hr
Suggested Max Moisture	0.050	%
Hopper Temperature	60 - 80	°C
Rear Temperature	280	°C
Middle Temperature	285	°C
Front Temperature	285	°C
Nozzle Temperature	290	°C
Mold Temperature	70 - 90	°C
Back Pressure	0.490 - 0.981	MPa
Screw Speed	80 - 120	rpm
NOTE		
1.	10°C/min	

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