

Kepamid® 2350GB

Polyamide 66

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID 2350GB is a glass bead 50%-reinforced PA66 grade.
It has superior dimensional stability and good friction and wear resistance.
It is suitable for automotive, electrical & electronics, and industrial parts.

General Information			
Filler / Reinforcement	Glass beads, 50% filler by weight		
Features	Good dimensional stability		
	Good wear resistance		
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	1.55	g/cm ³	ISO 1183
shrinkage-Flow (3.00 mm)	0.40 - 0.60	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	0.50	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	75.0	MPa	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	5350	MPa	ISO 178
Flexural Stress	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	260	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Relative Permittivity (1 MHz)	4.00		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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