

Kepamid® 1340GM8

Polyamide 6

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID 1340GM8 is a glass fiber and mineral filler 40%-reinforced/filled PA6 grade.

It has strong mechanical properties, heat resistance, and UV resistance.

It is suitable for automotive, electrical & electronics, and industrial parts requiring high stiffness, low warpage, and UV resistance.

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Features	Good Heat Resistance		
	Low warpage		
	Rigidity, high		
	Good UV 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	1.47	g/cm ³	ISO 1183
shrinkage-Flow (3.00 mm)	0.60	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	1.4	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	135	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	9400	MPa	ISO 178
Flexural Stress	205	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	220	°C	ISO 75-2/B
1.8 MPa, not annealed	210	°C	ISO 75-2/A
Melting Temperature ¹	220	°C	ISO 11357-3

Electrical	Nominal Value	Test Method
Relative Permittivity (1 MHz)	3.40	IEC 60250
Flammability	Nominal Value	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	250	°C
Middle Temperature	250	°C
Front Temperature	250	°C
Nozzle Temperature	260	°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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