

Kepamid® 6145GHM8

Polyphthalamide

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID-PPA 6145GHM8 is a glass fiber/mineral filler 45%-reinforced and wear resistance PPA grade.

It is suitable for automotive, electrical & electronics, and consumer parts requiring excellent mechanical strength, dimensional stability, and heat resistance.

General Information			
Filler / Reinforcement	Glass \mineral, 45% filler by weight		
Features	High Dimensional Stability		
	High strength		
	Good wear resistance		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
	Application in Automobile Field		
	Consumer goods application field		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm ³	ISO 1183
shrinkage-Flow (3.00 mm)	0.40 - 0.70	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	0.40	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	180	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	1.6	%	ISO 527-2
Fracture	260	%	ISO 527-2
Flexural Modulus	14100	MPa	ISO 178
Flexural Stress	5.50	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	282	°C	ISO 75-2/A
Melting Temperature ¹	310	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating (0.8 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature			

Dry Air Dryer, A	90	°C
Dry Air Dryer, B	120	°C
Drying Time		
Dry Air Dryer, A	8.0	hr
Dry Air Dryer, B	4.0	hr
Suggested Max Moisture	0.10	%
Hopper Temperature	60 - 80	°C
Rear Temperature	310 - 330	°C
Middle Temperature	310 - 335	°C
Front Temperature	315 - 340	°C
Nozzle Temperature	320 - 340	°C
Mold Temperature	130 - 150	°C
NOTE		

1. 10°C/min

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