Kepamid® 6130GHA

Polyphthalamide

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID-PPA 6130GHA is a glass fiber 30%-reinforced and wear-resistance PPA grade.
It is suitable for automotive, electrical & electronics, and consumer parts requiring exellent mechanical strength,wear resistance, and heat resistance.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	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	1.56	g/cm³	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	200	MPa	ISO 527-2
Tensile Strain (Break)	2.3	%	ISO 527-2
Flexural Modulus	10600	MPa	ISO 178
Flexural Stress	275	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	11	kJ/m²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	275	°C	ISO 75-2/A
Melting Temperature [1]	310	°C	ISO 11357-3
CLTE - Flow	2.0E-5 - 5.7E-5	cm/cm/°C	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Dielectric Strength	26	kV/mm	IEC 60243-1

Relative Permittivity (1 MHz)	3.90		IEC 60250
Dissipation Factor (1 MHz)	1.0E-3		IEC 60250
Flammability	Nominal Value	Unit	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		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT