

Kepamid® 1345GF

Polyamide 6

Korea Engineering Plastics Co., Ltd

Message:

Kepamid 1345GF is a 45% glass fiber reinforced Nylon6.
Excellent mechanical and thermal property.
It is applicable to automotive, electrical and electronic parts of high stiffness and thermal resistance.

General Information			
UL YellowCard	E120354-220470		
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	High Heat Resistance		
	High Stiffness		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	186	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.5	%	ASTM D638
Flexural Modulus (23°C)	11800	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	284	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	220	°C	
1.8 MPa, Unannealed	210	°C	
Melting Temperature	220	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm)	HB		UL 94

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