

Kepamid® 1533GFU

Polyamide 6

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID 1533GFU is a 33% glass fiber reinforced polyamide-6.

It exhibits good mechanical and thermal properties.

It is applicable to automotive, electrical, electronic, and industrial parts.

General Information			
UL YellowCard	E120354-220470		
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Industrial Applications		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.20 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	172	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.5	%	ASTM D638
Flexural Modulus (23°C)	8730	MPa	ASTM D790
Flexural Strength (23°C)	255	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	140	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
Injection	Nominal Value	Unit	

Hopper Temperature	230 to 260	°C
Rear Temperature	230 to 260	°C
Middle Temperature	230 to 260	°C
Front Temperature	230 to 260	°C
Nozzle Temperature	230 to 260	°C
Mold Temperature	40.0 to 100	°C

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