

Kepamid® 2315GF

Polyamide 66

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID 2315GF is a glass fiber 15% reinforced nylon66.

Mechanical and thermal property are good.

It is applicable for automobile, electronic and electrical applications.

General Information			
UL YellowCard	E120354-220471		
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792, ISO 1183
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	115		ASTM D785
R-Scale	121		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Break	125	MPa	ISO 527-2
--	120	MPa	ASTM D638
Tensile Elongation			
Break	3.0	%	ASTM D638
Break	2.5	%	ISO 527-2
Flexural Modulus			
--	5300	MPa	ASTM D790
--	5650	MPa	ISO 178
Flexural Strength			
--	190	MPa	ASTM D790
--	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	ISO 179
Notched Izod Impact	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	245	°C	ASTM D648, ISO 75-2/A

Melting Temperature	260	°C	ISO 11357-3, ASTM D3418
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	< 0.20	%	
Hopper Temperature	260 to 270	°C	
Rear Temperature	260 to 270	°C	
Middle Temperature	265 to 275	°C	
Front Temperature	270 to 280	°C	
Nozzle Temperature	270 to 280	°C	
Mold Temperature	60.0 to 80.0	°C	

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