

Kepamid® 1825GF

Polyamide 6

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID 1825GF is a 25% glass fiber reinforced polyamide-6 designed for extrusion.

It exhibits good extrusion characteristics and surface smoothness.

It is applicable to extrusion applications like window profile parts.

General Information			
UL YellowCard	E120354-220470		
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Good Surface Finish		
Uses	Profiles		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.30 to 0.70	%	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)	145	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	6.0	%	ASTM D638
Flexural Modulus (23°C)	8040	MPa	ASTM D790
Flexural Strength (23°C)	245	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	219	°C	
1.8 MPa, Unannealed	207	°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	250 to 285	°C	
Rear Temperature	250 to 285	°C	
Middle Temperature	250 to 285	°C	
Front Temperature	250 to 285	°C	

Nozzle Temperature	250 to 285	°C
Mold Temperature	40.0 to 100	°C

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