

Kepamid® 1320M7

Polyamide 6

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID 1320M7 is mineral filler 20% reinforced polyamide-6.

Good low warpage and thermal property.

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

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	Low Warpage		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Industrial Applications		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	21	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.50 to 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	77.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.0	%	ASTM D638
Flexural Modulus (23°C)	5000	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	127	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	205	°C	
1.8 MPa, Unannealed	135	°C	
Melting Temperature	220	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	230 to 250	°C	
Middle Temperature	230 to 250	°C	

Front Temperature	230 to 250	°C
Nozzle Temperature	230 to 250	°C
Mold Temperature	40.0 to 100	°C

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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

