

Kepamid® 1515SM7

Polyamide 6

Korea Engineering Plastics Co., Ltd

Message:

Kepamid® 1515SM7 is a Polyamide 6 (Nylon 6) material filled with 15% mineral. It is available in Asia Pacific, Europe, or North America.

Important attributes of Kepamid® 1515SM7 are:

Flame Rated

Warp Resistant

Typical applications include:

Automotive

Electrical/Electronic Applications

Industrial Applications

General Information			
Filler / Reinforcement	Mineral,15% Filler by Weight		
Features	Low Warpage		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Industrial Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.50 to 1.0	%	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)	63.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	8.0	%	ASTM D638
Flexural Modulus (23°C)	4120	MPa	ASTM D790
Flexural Strength (23°C)	98.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	190	°C	
1.8 MPa, Unannealed	105	°C	
Melting Temperature	220	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm)	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Filler Content ¹	15	%	ASTM D5630

Injection	Nominal Value	Unit
Rear Temperature	230 to 250	°C
Middle Temperature	230 to 250	°C
Front Temperature	230 to 250	°C
Mold Temperature	40.0 to 100	°C

NOTE

1. Furnace

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Recommended distributors for this material

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