Kepamid® 1500SF

Polyamide 6

Korea Engineering Plastics Co., Ltd

Message:

Kepamid 1500SF is an impact modified polyamide-6.
It exhibits excellent strength and mechanical properties.
It is applicable to automotive, electrical, electronic, and industrial parts.

General Information			
Features	Good Impact Resistance		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Industrial Applications		

Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	13	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	63.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	90	%	ASTM D638
Flexural Modulus (23°C)	2060	MPa	ASTM D790
Flexural Strength (23°C)	83.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	165	°C	
1.8 MPa, Unannealed	55.0	°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 250	°C	
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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