

# Kepamid® 1500SA

Polyamide 6

Korea Engineering Plastics Co., Ltd

## Message:

Kepamid 1500SA is an impact modified polyamide-6.

It exhibits good impact 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	1.11	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.90 to 1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	68.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	70	%	ASTM D638
Flexural Modulus (23°C)	2350	MPa	ASTM D790
Flexural Strength (23°C)	97.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	180	°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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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

