

Kepamid® 1500SFU

Polyamide 6

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID 1500SFU is an impact-modified PA6 grade.

It has good heat resistance, high toughness, and UV resistance.

It is suitable for applications such as automotive, electrical & electronics, and industrial parts.

General Information			
Additive	Impact modifier		
Features	Good Heat Resistance		
	High Toughness		
	Impact modification		
	Good UV resistance		
Uses	Electrical/Electronic Applications		
	Industrial components		
	Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	1.5	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	63.0	MPa	ISO 527-2
Tensile Strain (Break)	35	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress	87.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	165	°C	ISO 75-2/B
1.8 MPa, not annealed	55.0	°C	ISO 75-2/A
Melting Temperature ¹	220	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Relative Permittivity (1 MHz)	3.40		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.8 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature			
--	90	°C	
Dry Air Dryer	80	°C	
Drying Time			
--	6.0 - 8.0	hr	
Dry Air Dryer	4.0 - 6.0	hr	
Suggested Max Moisture	0.050	%	
Hopper Temperature	60 - 80	°C	
Rear Temperature	240	°C	
Middle Temperature	250	°C	
Front Temperature	250	°C	
Nozzle Temperature	250	°C	
Mold Temperature	70 - 90	°C	
Back Pressure	0.490 - 0.981	MPa	
Screw Speed	80 - 120	rpm	
NOTE			
1.	10°C/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

