

Kepamid® 1500ST

Polyamide 6

Korea Engineering Plastics Co., Ltd

Message:

Kepamid 1500ST is an impact modified polyamide-6.

It exhibits excellent impact strength and mechanical properties.

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

General Information			
Additive	Impact Modifier		
Features	Good Impact Resistance		
	Impact Modified		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Industrial Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/5.0 kg)	14	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	53.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	60	%	ASTM D638
Flexural Modulus (23°C)	1860	MPa	ASTM D790
Flexural Strength (23°C)	73.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	780	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	120	°C	
1.8 MPa, Unannealed	50.0	°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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