

Kepamid® 2300MRH

Polyamide 66

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID 2300MRH is an unfilled, lubricated, and thermally stabilized polyamide-66.

It is applicable to long term heat resistant parts of automotive, electrical, electronic, and industrial industries.

General Information			
Additive	Heat Stabilizer		
	Lubricant		
Features	Good Heat Aging Resistance		
	Heat Stabilized		
	High Heat Resistance		
	Lubricated		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Industrial Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	65	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	2.0 to 2.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	78.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Flexural Modulus (23°C)	2940	MPa	ASTM D790
Flexural Strength (23°C)	118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	44	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	230	°C	
1.8 MPa, Unannealed	75.0	°C	
Melting Temperature	260	°C	DSC

Flammability	Nominal Value	Test Method
Flame Rating (0.800 mm)	HB	UL 94

Injection	Nominal Value	Unit
Hopper Temperature	260 to 290	°C
Rear Temperature	260 to 290	°C
Middle Temperature	260 to 290	°C
Front Temperature	260 to 290	°C
Nozzle Temperature	260 to 290	°C
Mold Temperature	40.0 to 100	°C

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