

Kepamid® 2300VT

Polyamide 66

Korea Engineering Plastics Co., Ltd

Message:

KEPAMID 2300VT is an unfilled flame retardant polyamide-66.

Non-halogen type flame resistance and UL94 V-0 rating.

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

General Information			
UL YellowCard	E120354-220472		
Features	Flame Retardant		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Industrial Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	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)	1.2 to 1.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	83.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	14	%	ASTM D638
Flexural Modulus (23°C)	3330	MPa	ASTM D790
Flexural Strength (23°C)	118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	39	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	85.0	°C	
Melting Temperature	260	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Hopper Temperature	260 to 275	°C	
Rear Temperature	260 to 275	°C	

Middle Temperature	260 to 275	°C
Front Temperature	260 to 275	°C
Nozzle Temperature	260 to 275	°C
Mold Temperature	40.0 to 100	°C

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