

Kepamid® 1525SM3

Polyamide 6

Korea Engineering Plastics Co., Ltd

Message:

Kepamid 1525SM3 is mineral filler 25% reinforced and impact modified polyamide-6.

Good thermal property and impact strength with low warpage.

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

| General Information | | | |
|---|------------------------------------|-------------------|-------------|
| Filler / Reinforcement | Mineral,25% Filler by Weight | | |
| Additive | Impact Modifier | | |
| Features | Good Impact Resistance | | |
| | Impact Modified | | |
| | Low Warpage | | |
| Uses | Automotive Applications | | |
| | Electrical Parts | | |
| | Electrical/Electronic Applications | | |
| | Industrial Applications | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.28 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (235°C/2.16 kg) | 5.0 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 114 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 23°C) | 61.8 | MPa | ASTM D638 |
| Tensile Elongation (Break, 23°C) | 25 | % | ASTM D638 |
| Flexural Modulus (23°C) | 3140 | MPa | ASTM D790 |
| Flexural Strength (23°C) | 98.1 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 120 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| 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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