

# Kepamid® 2330GF

Polyamide 66

Korea Engineering Plastics Co., Ltd

## Message:

KEPAMID 2330GF is a glass fiber 30% reinforced nylon66.

Mechanical and thermal property are good.

It is applicable for automobile, electronic and electrical applications.

| General Information                               |                                    |                   |             |
|---|------------------------------------|-------------------|-------------|
| UL YellowCard                                     | E120354-220471                     |                   |             |
| Filler / Reinforcement                            | Glass Fiber,30% Filler by Weight   |                   |             |
| Uses  | Automotive Applications            |                   |             |
|   | Electrical Parts                   |                   |             |
|   | Electrical/Electronic Applications |                   |             |
| Forms   | Pellets                            |                   |             |
| Hardness  | Nominal Value                      | Test Method       |             |
| Rockwell Hardness (R-Scale)                       | 121                                | ISO 2039-2        |             |
| Mechanical  | Nominal Value                      | Unit              | Test Method |
| Tensile Stress (Break)                            | 180                                | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | 3.0                                | %                 | ISO 527-2   |
| Flexural Modulus                                  | 8700                               | MPa               | ISO 178     |
| Flexural Stress                                   | 255                                | MPa               | ISO 178     |
| Impact  | Nominal Value                      | Unit              | Test Method |
| Charpy Notched Impact Strength                    | 9.0                                | kJ/m <sup>2</sup> | ISO 179     |
| Thermal   | Nominal Value                      | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 249                                | °C                | ISO 75-2/A  |
| Melting Temperature                               | 260                                | °C                | ISO 11357-3 |
| Flammability                                      | Nominal Value                      | Test Method       |             |
| Flame Rating (0.800 mm)                           | HB                                 | UL 94             |             |
| Injection   | Nominal Value                      | Unit              |             |
| Drying Temperature                                | 80.0                               | °C                |             |
| Drying Time                                       | 4.0 to 6.0                         | hr                |             |
| Suggested Max Moisture                            | < 0.20                             | %                 |             |
| Hopper Temperature                                | 260 to 270                         | °C                |             |
| Rear Temperature                                  | 265 to 275                         | °C                |             |
| Middle Temperature                                | 270 to 280                         | °C                |             |
| Front Temperature                                 | 275 to 285                         | °C                |             |
| Nozzle Temperature                                | 275 to 285                         | °C                |             |
| Mold Temperature                                  | 60.0 to 80.0                       | °C                |             |

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