

## PA66 | KEPAMID 2350GFH | Glass fiber reinforced grade

- KEPAMID 2350GFH is a glass fiber 50%-reinforced and thermal-stabilized PA66 grade.
- It has high stiffness and long-term heat stability at high temperatures.
- It is suitable for automotive, electrical & electronics, and industrial parts.

| Physical properties             | Test Standard | Unit | Value   |
|---------------------------------|---------------|------|---------|
| Filler contents                 | ISO 1172      | %    | 50      |
| Specific gravity                | ISO 1183      | -    | 1.57    |
| Water absorption(23 °C, 50 %RH) | ISO 62        | %    | 0.3~0.7 |

| Mechanical properties                   | Test Standard | Unit              | Value |
|-----------------------------------------|---------------|-------------------|-------|
| Tensile stress                          | ISO 527       | MPa               | 235   |
| Elongation at break                     | ISO 527       | %                 | 2.8   |
| Tensile modulus                         | ISO 527       | MPa               | 16200 |
| Flexural strength                       | ISO 178       | MPa               | 345   |
| Flexural modulus                        | ISO 178       | MPa               | 14400 |
| Charpy impact strength(Notched) @ 23°C  | ISO 179/1eA   | kJ/m <sup>2</sup> | 17.0  |
| Charpy impact strength(Notched) @ -30°C | ISO 179/1eA   | kJ/m <sup>2</sup> | 16.0  |
| Rockwell Hardness(R-Scale)              | ISO 2039      | -                 | 121   |

| Thermal properties                    | Test Standard | Unit  | Value |
|---------------------------------------|---------------|-------|-------|
| Melting point(10 °C/min)              | ISO 11357     | °C    | 260   |
| Heat deflection temperature(0.45 MPa) | ISO 75        | °C    | 260   |
| Heat deflection temperature(1.8 MPa)  | ISO 75        | °C    | 250   |
| Flammability(t = 0.8 mm)              | UL 94         | Class | HB    |

| Electrical properties | Test Standard | Unit  | Value            |
|-----------------------|---------------|-------|------------------|
| Permittivity(1 MHz)   | IEC 60250     | -     | 3.7              |
| Volume resistivity    | IEC 60093     | Ω/ cm | 10 <sup>15</sup> |

Revision No : 1 (2015-02-13)