

# K-FKG12

## PA6-GF60

60% Glass reinforced, Heat stabilized, High Flow

| Properties                             | Typical Data | Unit              | Test Method       |
|----------------------------------------|--------------|-------------------|-------------------|
| <b>Rheological properties</b>          |              |                   |                   |
|                                        | Value        |                   |                   |
| Molding shrinkage [parallel]           | 0.2          | %                 | Sim. to ISO 294-4 |
| Molding shrinkage [normal]             | 0.8          | %                 | Sim. to ISO 294-4 |
| <b>Mechanical properties</b>           |              |                   |                   |
|                                        | Value        |                   |                   |
| Tensile modulus                        | 20000        | MPa               | ISO 527-1/-2      |
| Stress at break                        | 235          | MPa               | ISO 527-1/-2      |
| Nominal strain at break                | 2.2          | %                 | ISO 527-1/-2      |
| Flexural modulus                       | 19500        | MPa               | ISO 178           |
| Flexural strength                      | 365          | MPa               | ISO 178           |
| Charpy impact strength (+23°C)         | 90           | kJ/m <sup>2</sup> | ISO 179/1eU       |
| Charpy notched impact strength (+23°C) | 15           | kJ/m <sup>2</sup> | ISO 179/1eA       |
| <b>Thermal properties</b>              |              |                   |                   |
|                                        | Value        |                   |                   |
| Melting temperature (10°C/min)         | 220          | °C                | ISO 11357-1/-3    |
| <b>Other properties</b>                |              |                   |                   |
|                                        | Value        |                   |                   |
| Water absorption                       | 3.6          | %                 | Sim. to ISO 62    |
| Density                                | 1700         | kg/m <sup>3</sup> | ISO 1183          |

