

# KEPITAL® F25-03 LOF

unfilled, medium-low viscosity grade; low emission

- A Standard unfilled (medium-low viscosity) grade for general injection molding
- A low-emission grade featuring improved heat stability

## Rheological properties

|                              |       |                 |
|------------------------------|-------|-----------------|
| Moulding shrinkage, parallel | 2.0 % | ISO 294-4, 2577 |
|------------------------------|-------|-----------------|

## Typical mechanical properties

|                                        |                       |              |
|----------------------------------------|-----------------------|--------------|
| Tensile Modulus                        | 2750 MPa              | ISO 527-1/-2 |
| Yield stress, 50mm/min                 | 65 MPa                | ISO 527-1/-2 |
| Yield strain, 50mm/min                 | 9 %                   | ISO 527-1/-2 |
| Nominal strain at break                | 33 %                  | ISO 527-1/-2 |
| Flexural Modulus                       | 2650 MPa              | ISO 178      |
| Charpy notched impact strength, 23°C   | 6 kJ/m <sup>2</sup>   | ISO 179/1eA  |
| Charpy notched impact strength, -30 °C | 5.5 kJ/m <sup>2</sup> | ISO 179/1eA  |
| Poisson's ratio                        | 0.366                 |              |

## Thermal properties

|                                             |           |                |
|---------------------------------------------|-----------|----------------|
| Melting temperature, 10°C/min               | 165 °C    | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.8 MPa     | 100 °C    | ISO 75-1/-2    |
| Coeff. of linear therm. expansion, parallel | 120 E-6/K | ISO 11359-1/-2 |

## Electrical properties

|                     |           |               |
|---------------------|-----------|---------------|
| Surface resistivity | >1E15 Ohm | IEC 62631-3-2 |
| Electric strength   | 19 kV/mm  | IEC 60243-1   |

## Other properties

|                          |                        |                |
|--------------------------|------------------------|----------------|
| Humidity absorption, 2mm | 0.2 %                  | Sim. to ISO 62 |
| Density                  | 1410 kg/m <sup>3</sup> | ISO 1183       |