

KEPITAL® F30-34

A low viscosity grade for injection molding of thin walled parts.

KEPITAL® F30-34 is a low viscosity, high flow grade for injection molding with thin walled parts.

Rheological properties

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

Typical mechanical properties

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|--------------------------------------|-----------------------|--------------|
| Yield stress, 50mm/min | 65 MPa | ISO 527-1/-2 |
| Yield strain, 50mm/min | 8 % | ISO 527-1/-2 |
| Nominal strain at break | 20 % | ISO 527-1/-2 |
| Flexural Modulus | 2700 MPa | ISO 178 |
| Flexural Strength | 90 MPa | ISO 178 |
| Charpy notched impact strength, 23°C | 5.5 kJ/m ² | ISO 179/1eA |

Thermal properties

| | | |
|---|-----------|----------------|
| Melting temperature, 10°C/min | 165 °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.8 MPa | 101 °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 120 E-6/K | ISO 11359-1/-2 |

Electrical properties

| | | |
|-------------------|----------|-------------|
| Electric strength | 19 kV/mm | IEC 60243-1 |
|-------------------|----------|-------------|

Other properties

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