

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, parallel | 2.0 | % | ISO 294-4, 2577 |
|---|------|-------|-----------------|
| Typical mechanical properties | | | |
| 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/m² | 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 | | kg/m³ | ISO 1183 |
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