

KEPITAL® F20-03M

a medium-viscosity grade for general injection molding. Features improved resistance in hot water and high temperature/humidity.

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Rheological properties

Moulding shrinkage, parallel	2.0 %	ISO 294-4, 2577
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Typical mechanical properties

Tensile Modulus	2700 MPa	ISO 527-1/-2
Yield stress, 50mm/min	64 MPa	ISO 527-1/-2
Yield strain, 50mm/min	9 %	ISO 527-1/-2
Nominal strain at break	32 %	ISO 527-1/-2
Flexural Modulus	2550 MPa	ISO 178
Flexural Strength	87 MPa	ISO 178
Charpy notched impact strength, 23 °C	6.5 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30 °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	100 °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
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Other properties

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