

KEPITAL® F15-33

toughness-improved (medium-high viscosity) grade

KEPITAL® F15-33 is a toughness-improved (medium-high viscosity) grade for general injection molding. Features improved molding cycle time.

Rheological properties

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

Tensile Modulus	2600 MPa	ISO 527-1/-2
Yield stress, 50mm/min	64 MPa	ISO 527-1/-2
Yield strain, 50mm/min	10 %	ISO 527-1/-2
Nominal strain at break	34 %	ISO 527-1/-2
Flexural Modulus	2450 MPa	ISO 178
Flexural Strength	85 MPa	ISO 178
Charpy notched impact strength, 23°C	7 kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	6 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	96 °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/m³	ISO 1183

