

KEPITAL® TE-21

toughened, medium-viscosity grade

KEPITAL® TE-21 is a toughened, medium-viscosity grade for general injection molding. Suitable for applications requiring high impact resistance and toughness

Rheological properties

Moulding shrinkage range, parallel	1.7 %	ISO 294-4, 2577
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Typical mechanical properties

Yield stress, 50mm/min	57 MPa	ISO 527-1/-2
Yield strain, 50mm/min	9 %	ISO 527-1/-2
Nominal strain at break	40 %	ISO 527-1/-2
Flexural Modulus	2150 MPa	ISO 178
Flexural Strength	76 MPa	ISO 178
Charpy notched impact strength, 23°C	8 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	84 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130 E-6/K	ISO 11359-1/-2

Flammability

Burning Behav. at thickness h	HB class	UL 94
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Other properties

Humidity absorption, 2mm	0.22 %	Sim. to ISO 62
Density	1390 kg/m ³	ISO 1183