

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, parallel	1.7 %	, >	ISO 294-4, 2577
Typical mechanical properties			
Yield stress, 50mm/min	57 M	1Pa	ISO 527-1/-2
Yield strain, 50mm/min	9 %	, D	ISO 527-1/-2
Nominal strain at break	40 %	, D	ISO 527-1/-2
Flexural Modulus	2150 M	1Pa	ISO 178
Flexural Strength	76 M	1Pa	ISO 178
Charpy notched impact strength, 23°C	8 kJ	J/m²	ISO 179/1eA
Thermal properties			
Melting temperature, 10°C/min	165 °C	С	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	84 °C	С	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130 E-	-6/K	ISO 11359-1/-2
Other properties			
Humidity absorption, 2mm	0.22 %	, D	Sim. to ISO 62
Density	1390 kg		ISO 1183

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