

KEPITAL® TE-24 (FU2020)

toughened, medium-high viscosity grade

KEPITAL® TE-24 is a toughened, medium-high viscosity grade for general injection molding. Suitable for applications requiring higher impact resistance and toughness

Rheological properties

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

Yield stress, 50mm/min	41 MPa	ISO 527-1/-2
Yield strain, 50mm/min	13 %	ISO 527-1/-2
Nominal strain at break	>50 %	ISO 527-1/-2
Flexural Modulus	1450 MPa	ISO 178
Flexural Strength	53 MPa	ISO 178
Charpy notched impact strength, 23°C	18 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.437	

Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	71 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130 E-6/K	ISO 11359-1/-2

Electrical properties

Volume resistivity	1E12 Ohm.m	IEC 62631-3-1
Surface resistivity	1E16 Ohm	IEC 62631-3-2
Electric strength	21 kV/mm	IEC 60243-1

Other properties

Humidity absorption, 2mm	0.24 %	Sim. to ISO 62
Density	1350 kg/m ³	ISO 1183