

KEPITAL® TE-23S

toughened, high viscosity grade

KEPITAL® TE-23S is a toughened, high viscosity grade for general injection molding. Suitable for applications requiring higher impact resistance and toughness. Good strength and strain at weld-line.

Typical mechanical properties

Yield stress, 50mm/min	45.5 MPa	ISO 527-1/-2
Yield strain, 50mm/min	12 %	ISO 527-1/-2
Nominal strain at break	75 %	ISO 527-1/-2
Flexural Modulus	1780 MPa	ISO 178
Flexural Strength	60 MPa	ISO 178
Charpy notched impact strength, 23°C	20 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	76 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130 E-6/K	ISO 11359-1/-2

Electrical properties

Volume resistivity	>1E16 Ohm.m	IEC 62631-3-1
Surface resistivity	>1E16 Ohm	IEC 62631-3-2

Other properties

Humidity absorption, 2mm	0.24 %	Sim. to ISO 62
Density	1360 kg/m ³	ISO 1183