

ISO 1183

KEPITAL® TE-23S

toughened, high viscosity grade

Density

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

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Yield stress, 50mm/min	45.5 MI	IPa -	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 MI	lPa	ISO 178
Flexural Strength	60 MI	lPa	ISO 178
Charpy notched impact strength, 23°C	20 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	76 °C	C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130 E-	-6/K	ISO 11359-1/-2
Electrical properties			
Volume resistivity	>1E16 Oh	hm.m	IEC 62631-3-1
Surface resistivity	>1E16 Oh	hm	IEC 62631-3-2
Other properties			
Humidity absorption, 2mm	0.24 %)	Sim. to ISO 62

1360 kg/m³

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