

KEPITAL® TE-23 LOF

POM, toughened, medium-viscosity grade, low emission

KEPITAL® TE-23 LOF is a toughened, medium-viscosity grade for general injection molding. Suitable for applications requiring higher impact resistance, impact noise and quality surface. A low-emission grade featuring improved heat stability.

Product information

Part Marking Code	> POM-HI <	ISO 11469
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Rheological properties

Moulding shrinkage, parallel	1.8 %	ISO 294-4, 2577
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Typical mechanical properties

Yield stress, 50mm/min	45 MPa	ISO 527-1/-2
Yield strain, 50mm/min	10 %	ISO 527-1/-2
Nominal strain at break	45 %	ISO 527-1/-2
Flexural Modulus	1700 MPa	ISO 178
Flexural Strength	58 MPa	ISO 178
Charpy notched impact strength, 23 °C	13 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	1E12 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