

KEPITAL® TE-21 LOF

POM, toughened, medium-viscosity grade, low emission

KEPITAL® TE-21 LOF is a toughened, medium-viscosity grade for general injection molding. Suitable for applications requiring high impact resistance and toughness. 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	1.9 %	ISO 294-4, 2577
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Typical mechanical properties

Yield stress, 50mm/min	58 MPa	ISO 527-1/-2
Yield strain, 50mm/min	8.5 %	ISO 527-1/-2
Nominal strain at break	32 %	ISO 527-1/-2
Flexural Modulus	2250 MPa	ISO 178
Flexural Strength	76 MPa	ISO 178
Charpy notched impact strength, 23 °C	9 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.39	

Thermal properties

Melting temperature, 10 °C/min	165 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	84 °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	0.22 %	Sim. to ISO 62
Density	1390 kg/m ³	ISO 1183