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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

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Part Marking Code	> POM-HI <		ISO 11469
Rheological properties			
Moulding shrinkage, parallel	1.9	%	ISO 294-4, 2577
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/m²	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		kg/m ³	ISO 1183
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Printed: 2023-08-07

Revised: 2023-05-16 Source: Celanese Materials Database

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