

KEPITAL[®] TX-21 LOF

POM, polymer-modified wear-resistance, medium-viscosity grade for general injection molding, low emission

- A polymer-modified wear-resistance grade (medium-viscosity) for general injection molding.

- Suitable for applications requiring reduced wear noise and a strong friction and wear resistance without sacrificing mechanical proeprties and a low-emission grade featuring improved heat stability.

Product information			
Part Marking Code	> POM <		ISO 11469
Rheological properties			
Moulding shrinkage, parallel	2.0	%	ISO 294-4, 2577
Typical mechanical properties			
Tensile Modulus	2500	MPa	ISO 527-1/-2
Yield stress, 50mm/min		MPa	ISO 527-1/-2
Yield strain, 50mm/min	10	%	ISO 527-1/-2
Nominal strain at break	33	%	ISO 527-1/-2
Flexural Modulus	2350	MPa	ISO 178
Flexural Strength		MPa	ISO 178
Charpy notched impact strength, 23°C		kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	5	kJ/m²	ISO 179/1eA
Thermal properties			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	90	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130	E-6/K	ISO 11359-1/-2
Electrical properties			
Volume resistivity	>1F12	Ohm.m	IEC 62631-3-1
Surface resistivity	>1E16		IEC 62631-3-2
Electric strength		kV/mm	IEC 60243-1
Other properties			
Humidity absorption, 2mm	0.2	%	Sim. to ISO 62
Density		kg/m ³	ISO 1183
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Revised: 2023-05-21 Source: Celanese Materials Database

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