

## KEPITAL<sup>®</sup> TX-31 LOF

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

- A polymer-modified wear resistance grade (an easy-flow grade) 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	2550 N	MPa	ISO 527-1/-2
Yield stress, 50mm/min	56 N		ISO 527-1/-2
Yield strain, 50mm/min	8 %	%	ISO 527-1/-2
Nominal strain at break	32 %	%	ISO 527-1/-2
Flexural Modulus	2450 M	MPa	ISO 178
Flexural Strength	81 N		ISO 178
Charpy notched impact strength, 23°C	6.5 k		ISO 179/1eA
Charpy notched impact strength, -30°C	4.5 k	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	89 9		ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	120 E	E-6/K	ISO 11359-1/-2
Electrical properties			
Volume resistivity	>1E12(	Ohm m	IEC 62631-3-1
Surface resistivity	>1E16 (		IEC 62631-3-2
Electric strength		<v mm<="" td=""><td>IEC 60243-1</td></v>	IEC 60243-1
Other properties			
Humidity absorption, 2mm	0.2 %	%	Sim. to ISO 62
Density	1390 k		ISO 1183
		0	
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