

## Datasheet TEPK



TEPK is a new product, it consists of steel, bronze and PEEK. It has good performance when it works under water lubrication or little oil lubrication. Its PEEK layer thickness is more than 0.1mm so it has longer life. It is widely used in guiding part of high quality shock absorbers, lathes and lifting parts.

### Application

### Material

Steel bronze with PEEK.

### Availability

	Value	Unit
Inside diameter	on request	
Outside diameter	on request	
Flange diameter	on request	
Flange height	on request	
Total length	on request	

## TEPK - Specifications

### Physical properties

	Test standard	Value	Unit
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### Mechanical properties

	Test standard	Value	Unit
Compressive strength static		on request	
Module of elasticity - Youngs modulus		on request	
Tensile strength		on request	
Shear strength		on request	
Impact strength		on request	
Hardness		on request	
Dynamic load capacity		100	MPa

### Thermal properties

	Test standard	Value	Unit
Min. working temperature		-190	°C
Max. working temperature		300	°C
Intermittent working temperature		on request	

### Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic		0.05-0.20	[-]
Max. sliding speed		2,5	m/s
Max. Pv-load dry		3	MPa*m/s
Max. Pv-load oil lubricated		40	MPa*m/s
Max. Pv-load on regular greased		on request	

### Electrical properties

	Test standard	Value	Unit
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