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#### **Datasheet TEP1**



TEP1 is particularly suitable for bushings used in a reciprocating motion. Its characteristics are similar to that of foreign material named DD2. TEP1 has good anti-wear performance, and so it can keep the lubricating oil well after a long period of operating. In the meantime, it also has the ability to protect the surface from wear. TEP1 is used extensively as piston rings for shock absorbers in cars, motorbikes, various hydraulic cylinders, hydraulic motors and pneumatic components.

### **Application**

Suitable for hydraulic cylinder, motors, pneumatic components and shock absorbers

#### Material

Steel + frcition modifier.

#### **Availablity**

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

The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.



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# **TEP1 - 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		140	MPa

## Thermal properties

	Test standard	Value	Unit
Min. working temperature		-195	°C
Max. working temperature		280	°C
Intermittent working temperature		on request	

### **Friction properties**

	Test standard	Value	Unit
Coefficient of friction dynamic		0.04-0.20	[-]
Max. sliding speed		2,5	m/s
Max. Pv-load dry		3,6	MPa*m/s
Max. Pv-load oil lubricated		50	MPa*m/s
Max. Pv-load on regular greased		on request	

## **Electrical properties**

Test standard	Value	Unit
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