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Datasheet TEFR



TEFR is a composite material. It is made of bronze wire mesh as a framework and calendered with a PTFE film by sintering. TEFR has a low friction coefficient and exemplary performance in anti-wear. Because of its flexibility, it can act as a segregation film between two steel friction surfaces. You will see its superior performance of no clearance, no noise, no oil lubrication, no maintenance, and no pollution in this application. At present, it is widely used in circumstances of relatively low load and slow speed, such as textile machines, spherical bearings, automotive door hinges, and the operating rod for cars.

Application

Material

Bronze mesh base-sintered with PTFE and antifriction material.

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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TEFR - Specifications

Physical properties

	Test standard	Value	Unit

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
Speed limit v max dry		1	m/s

Thermal properties

	Test standard	Value	Unit
Min. working temperature		-40	°C
Max. working temperature		280	°C
Intermittent working temperature		on request	

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic		on request	
Max. sliding speed		1	m/s
Max. Pv-load dry		on request	
Max. Pv-load oil lubricated		on request	
Max. Pv-load on regular greased		on request	

Electrical properties

	Test standard	Value	Unit

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