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Datasheet TES01



TES01 is oil resistant, acid resistant, alkali resistant and seawater resistant. It is lead-free which makes it popular in food processing machinery, acid & alkali flowmeters for valves and pumps, pharmaceutical equipment, printing equipment, chemical equipment and various maritime industries. The bushing is assembled from triple layers of composites: bronze powder sintered onto a stainless steel base and subsequently, the PTFE layer is coated onto the bronze layer.

Application

Material

Stainless steel bearing with lead free friction modifier.

Availablity

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

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TES01 - 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		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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