ASEC Products
Marketing 17
6921 RE Duiven
The Netherlands
T. +31 316 84 44 01
info@asecproducts.com
www.asecproducts.com

Datasheet TEJDB01



TEJDB01 is a solid lubricant embedded bearing wich is made of casting bronze with graphite embedded evenly in it. It has superior performance than standard bearings whose lubrication depends on an oil film. Under conditions of heavy-duty, high temperature, slow speed, anti-corrosion, or where oil is hard to be introduced, its performance doubles both in hardness and anti-friction.

Application

Where high temperature, high load, low speed and heavy load are required

Material

Bronze with graphite.

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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TEJDB01 - 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		210-245	Rockwell HB
Dynamic load capacity		100	MPa
Speed limit v max dry		0,4	m/s
Speed limit v max oil		5	m/s

Thermal properties

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

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic		0,04-0,16	[-]
Max. sliding speed		on request	
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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