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#### **Datasheet TEMU**



TEMU is a new type of bearing without lead. TEMU has been specially developed with environmental protection in mind. As well as being widely used in general machinery, TEMU is especially well suited for food processing machines, pharmaceutical machinery, tobacco processing machines, etc.

#### **Application**

#### **Material**

Steel with PTFE

#### **Availablity**

	Value	Unit	
Inside diameter	2-300	mm	
Outside diameter	3,5-305	mm	
Flange diameter	jul-73	mm	
Flange height	2,5	mm	
Total length	3-100	mm	





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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# **TEMU - 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
Speed limit v max dry		10	m/s

## 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	pin-on-ring/dry against steel	0,03-0,18	[-]
Max. sliding speed		10,0	m/s
Max. Pv-load dry	pin-on-ring	4,30	MPa*m/s
Max. Pv-load oil lubricated	pin-on-ring	60,00	MPa*m/s
Max. Pv-load on regular greased		on request	

# **Electrical properties**

	Test standard	Value	Unit
	rest standard	value	Ollic