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

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TEMU - 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
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