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Technical Data Sheet

NORGLIDE® T150CG-4068-B

FOR INFORMATION ONLY

Data sheet updates will not be circulated

1. Product: Semi-finished **NORGLIDE® T**

2. Composition: Sliding bearing material as composite material, consisting of a sliding layer of PTFE compound and steel backing. Both layers are firmly attached.

3. Components:
a) PTFE compound with approximately 25% of filler content of carbon and graphite.
b) cold-rolled strip - precision style to DIN EN 10139, material no. 1.0347.

4. Dimensions: As tape in meters wound on reels
Width (nominal): 320 mm (useful max. 300 mm)
Thickness: 1.50 + 0.010 mm
- 0.060 mm

5. Component: Steel*

Properties	Test method	Unit	Value
Tensile strength	DIN EN 10002	N/mm²	290-390
Yield stress (23°C)	DIN EN 10002	N/mm²	≤ 260
Elongation at break	DIN EN 10002	%	≥ 32

** as received*

6. Component: Sliding Layer PTFE Compound*

Density	DIN EN ISO 1183-1	g/cm³	2.03 – 2.09
Tensile strength	DIN EN ISO 527-3	N/mm²	≥ 12
Elongation at break	DIN EN ISO 527-3	%	≥ 50

** measured before lamination*

7. Application related characteristics:

Maximum admissible specific bearing load at RT	static dynamic SG PL 0044	N/mm² N/mm²	180 100
Coefficient of friction at RT; measured on steel with ≥ 58 HRC	at 4.8 N/mm² and 0.058 m/s at 70 N/mm² and 0.0065 m/s SG PL 0003		0.13 0.07
k-factor at RT; measured on steel with ≥ 58 HRC	at 4.8 N/mm² and 0.058 m/s SG PL 0003	10^{-6} mm³/Nm	0.21
Deformation under load	23°C, at 100 N/mm², 1h SG PL 0015	µm	≤ 30
Rate of heat transfer	SG PL 0001	W/m²K	1500
Service temperature range (to be validated in the application)	permanent intermittently	°C	-200 - +180 260
Coefficient of linear thermal expansion	SG PL 0026	10^{-5} K^{-1}	
Surface related volume resistance	SG PL 0038	Ωcm²	< 10^{6}

Data are typical performance values of laboratory tests, must not be considered as specification for constructions.

Index	Date	Established	Change >> Invalid copies to be shredded!	Checked
01	13.11.2007	OS	Initial release	JHe
04	12.04.2016	OS	Usable width updated	

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