



Technical
Data Sheet

NORGLIDE® T100CG-4064-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: 1.00 + 0.010 mm
 - 0.050 mm

5. **Component: Steel***

Properties	Test method	Unit	Value
Tensile strength	DIN EN 10002	N/mm ²	290-390
Yield stress (23°C)	DIN EN 10002	N/mm ²	≤ 260
Elongation at break	DIN EN 10002	%	≥ 32

* as received

6. **Component: Sliding Layer PTFE Compound***

Density	DIN EN ISO 1183-1	g/cm ³	2.03 – 2.09
Tensile strength	DIN EN ISO 527-3	N/mm ²	≥ 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/mm ² N/mm ²	180 100
Coefficient of friction at RT; measured on steel with ≥ 58 HRC	at 4.8 N/mm ² and 0.058 m/s at 70 N/mm ² and 0.0065 m/s SG PL 0003		0.17 0.07
k-factor at RT; measured on steel with ≥ 58 HRC	at 4.8 N/mm ² and 0.058 m/s SG PL 0003	10 ⁻⁶ mm ³ /Nm	0.21
Deformation under load	23°C, at 100 N/mm ² , 1h SG PL 0015	µm	≤ 30
Rate of heat transfer	SG PL 0001	W/m ² K	700
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	8
Surface related volume resistance	SG PL 0038	Ωcm ²	< 10 ⁶

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

This data sheet must not be submitted in full or parts to any third party without our express approval.

Index	Date	Established	Change >> Invalid copies to be shredded!	Checked
02	25.09.2007	BSK	Added/changed test methods	HSch
03	31.03.2008	JHa	Data for 5 corrected; 7 Values updated	HSch
04	30.03.2016	OS	Usable width updated	

Contact us

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