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**Technical  
Data Sheet**

**NORGLIDE<sup>®</sup> M 1.57 Type S02155**

**FOR INFORMATION ONLY**

Data Sheet updates will not be circulated.

1. **Product** : Semi-finished NORGLIDE<sup>®</sup> M
2. **Composition** : Sliding bearing material is a composite material consisting of a sliding layer of NORGLIDE<sup>®</sup> MP and stainless steel backing. Both layers are firmly attached.
3. **Components** : a) NORGLIDE<sup>®</sup> MP6 Type 510600 consisting of PTFE compound with approximately 30% of filler content of glass fibres and graphite sintered into flexible stainless steel mesh, material no. 1.4401 to DIN EN 10088-2.  
b) Stainless steel plate cold-rolled strip – precision style, material no. 1.4401/1.4404.
4. **Dimensions** : Supplied as tape in meters wound on standard cores.  
Width (nominal) : 320mm (useful ≤ 300mm)  
Thickness : 1.57 ± 0.040mm

**5. Component: Steel\***

Properties	Test Method	Unit	Value
Tensile Strength	DIN EN 10002	N/mm <sup>2</sup>	530 – 680
Yield Stress (23°C)	DIN EN 10002	N/mm <sup>2</sup>	≥ 240
Elongation at Break	DIN EN 10002	%	≥ 40

\* as received

**6. Component: Sliding Layer NORGLIDE<sup>®</sup> MP6 Type 510600\***

Density	DIN 53479	g/cm <sup>3</sup>	3.75 – 4.25
Tensile Strength	DIN EN ISO 527-3	N/mm <sup>2</sup>	≥ 80
Elongation at Break	DIN EN ISO 527-3	%	≥ 10

\* measured before lamination

**7. Application Related Characteristics**

Maximum Admissible Specific Bearing Load	Static	N/mm <sup>2</sup>	180
	Dynamic	N/mm <sup>2</sup>	100
Coefficient of Friction at RT Measured on Steel with ≥ 58 HRC	at 4.8 N/mm <sup>2</sup> and 0.058 m/s		0.17
	at 70 N/mm <sup>2</sup> and 0.0065 m/s		0.09
k Factor		10 <sup>-6</sup> mm <sup>3</sup> /Nm	
Deformation Under Load	23°C, at 100 N/mm <sup>2</sup> , 1h	µm	≤ 50
Rate of Heat Transfer	SG PA 3/1300/3022	W/m <sup>2</sup> K	560
Service Temperature Range	Permanent	°C	-200 - +260
	Intermittently		290
Coefficient of Linear Thermal Expansion	SG PA 0/1320/1025	10 <sup>-5</sup> K <sup>-1</sup>	
Surface Related Volume Resistance	SG PA 1/1320/1081	Ωcm <sup>2</sup>	≥10 <sup>8</sup>

Data are typical performance values from laboratory tests & must not be considered as a specification for product design.

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