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Technical Data Sheet

NORGLIDE[®] MP6 Type 510600

FOR INFORMATION ONLY

Data Sheet updates will not be circulated.

1. **Product** : Semi-finished **NORGLIDE[®] MP**
2. **Composition** : Sliding bearing material, consisting of PTFE compound sintered into a flexible metal mesh backing.
3. **Components** :
 - a) PTFE compound with approximately 30% of filler content of glass fibres and graphite.
 - b) Stainless steel mesh, material no. 1.4401 to DIN EN 10088, from wires of 0.40mm diameter. The mesh is linked at intersections and has a thickness after calendering of 0.7mm. The mesh count in warp and weft direction is 9 ± 1 per cm.
4. **Dimensions** : As tape in meters wound on reels

| | | |
|-----------------|---|-----------------------------|
| Width (nominal) | : | 320mm (useful \leq 310mm) |
| Thickness | : | 0.78 ± 0.020 mm |

5. Material Related Characteristics

| Properties | Test Method | Unit | Value |
|---------------------|------------------|-------------------|-------------|
| Density (total) | DIN 53479 | g/cm ³ | 3.75 – 4.25 |
| Tensile Strength | DIN EN ISO 527-3 | N/mm ² | ≥ 80 |
| Elongation at Break | DIN EN ISO 527-3 | % | ≥ 10 |

6. Application Related Characteristics

| | | | |
|---|--|--------------------------------------|--------------|
| Maximum Admissible Specific Bearing Load | Static | N/mm ² | 140 |
| | Dynamic | N/mm ² | 110 |
| 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 | | 0.17 0.09 |
| k Factor | | 10 ⁻⁶ mm ³ /Nm | |
| Deformation Under Load | 23°C, at 100 N/mm ² , 1h | μ m | ≤ 50 |
| Rate of Heat Transfer | SG PA 3/1300/3022 | W/m ² K | 780 |
| Service Temperature Range | Permanent | °C | -200 - +260 |
| | Intermittently | | 300 |
| Coefficient of Linear Thermal Expansion | SG PA 0/1320/1025 | 10 ⁻⁵ K ⁻¹ | |
| Surface Related Volume Resistance | SG PA 1/1320/1081 | Ω cm ² | $\geq 10^8$ |

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

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