

Technical Data Sheet

Fibracon[®] PTFE + 15% Carbon

PTFE

Typical characteristics

- Low wear when lubricated with water
- Reduced deformation under load (improved compressive strength)
- Improved thermal and electrical conductivity

Typical industries

- 化学处理行业
- 车辆构造
- 电子
- 石油和天然气
- 机械工程行业
- Healthcare
- 食品行业
- 风能

| | Test method | Unit | Guideline value |
|------------------------------|-------------|---------------------|-----------------|
| General properties | | | |
| Density | ASTM 1457 | g / cm ³ | 2.0 - 2.2 |
| Mechanical properties | | | |
| Hardness | ASTM 1706 | Shore D | 58 - 62 |
| Tensile Strength (23°C) | ASTM 1457 | MPa | 18 |
| Elongation at Break | ASTM 1457* | % | >250 |
| Thermal properties | | | |
| Service Temperature | | °C | -200 to +260 |

*12mm initial gauge used. This data provides typical values on a small selection of properties of the material and should only be used as a guide to the generic material performance.

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