

Technical Data Sheet

Fibracon[®] PTFE + 25% Carbon filled

PTFE

Typical characteristics

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

Typical industries

- 화학 가공 산업
- 차량 제조
- 전자 제품
- Oil and Gas
- 기계 공학 산업
- Healthcare
- Food Industry
- Wind Energy

| | Test method | Unit | Guideline value |
|------------------------------------|-------------|------|-----------------|
| General properties | | | |
| Bulk Density | ASTM D4894 | g/l | 600 |
| Specific Gravity | ASTM D4894 | - | 2.1±0.03 |
| Mechanical properties | | | |
| Tensile Strength (Cross Direction) | ASTM D4894 | MPa | Min.15 |
| Elongation (Cross Direction) | ASTM D4894 | % | Min.90 |
| Ball Hardness | ISO 2039 | MPa | 45±2 |
| Deformation Under Load | ASTM D621 | % | 5 - 7 |
| Thermal properties | | | |
| Service Temperature | | °C | -200 to +260 |
| Electrical properties | | | |
| Volume Resistivity | ASTM D257 | Ωcm | 10 ⁴ |

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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