

Technical Data Sheet

Fibracon[®] PTFE + 25% Carbon filled

[Characteristics compared to virgin PTFE]

Product characteristics

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

Product applications

- Dry, poorly lubricated environments
- Wear resistant seals and gaskets

| | 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 | -180 - +260 |
| 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.