# Technical Data Sheet

# Fibracon® PTFE + 15% Carbon Fibre

PTFE

## Typical characteristics

- Low wear when lubricated with water
- Reduced deformation under load compared to virgin PTFE
- Good thermal conductivity
- Electrically conductive

| | Test method | Unit | Guideline value |
|---|---|---|---|
| **General properties** | | | |
| Density | ASTM D1457 | g / cm$^3$ | 2.0 - 2.2 |
| **Mechanical properties** | | | |
| Hardness | ASTM D1706 | Shore D | 57 - 63 |
| Tensile Strength (23°C) | ASTM D1457 | N/mm$^2$ | Minimal 14 |
| Elongation CD | ASTM D-1457 | % | Minimal 200 |
| **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.