# 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

- Construction de réservoirs et d'installations chimiques
- Construction de véhicules
- Industrie électronique
- Pétrole et gaz
- Construction de machines et d'installations
- Healthcare
- Industrie agroalimentaire
- L'énergie éolienne

| | 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.