## Röchling

## Technical Data Sheet Fibracon<sup>®</sup> PTFE + 25% Carbon filled

## Typical characteristics

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

## **Typical industries**

- Chemical Processing Industry
- Vehicle Construction
- Electronics
- Oil and Gas
- Mechanical Engineering
- Industry

  Healthcare
- Food IndustryWind Energy
- **Test method** Unit **Guideline value General properties Bulk Density** ASTM D4894 600 g/l Specific Gravity **ASTM D4894** 2.100.03 -**Mechanical properties** Tensile Strength (Cross Direction) ASTM D4894 MPa Min.15 Elongation (Cross Direction) **ASTM D4894** % Min.90 **Ball Hardness** ISO 2039 MPa 4502 5 - 7 **Deformation Under Load** ASTM D621 % **Thermal properties** Service Temperature °C -200 to +260 **Electrical properties** Volume Resistivity 10<sup>4</sup> ASTM D257  $\Omega cm$

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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