

## Technical Data Sheet

# Fibracon<sup>®</sup> 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

- Chemical Processing Industry
- Vehicle Construction
- Electronics
- Oil and Gas
- Mechanical Engineering Industry
- Healthcare
- Food Industry
- Wind Energy

	Test method	Unit	Guideline value
<b>General properties</b>			
Bulk Density	ASTM D4894	g/l	600
Specific Gravity	ASTM D4894	-	2.1±0.03
<b>Mechanical properties</b>			
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
<b>Thermal properties</b>			
Service Temperature		°C	-200 to +260
<b>Electrical properties</b>			
Volume Resistivity	ASTM D257	Ωcm	10 <sup>4</sup>

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.

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

