

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

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

	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.

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Print: 30/04/2025 • Release: 20/09/2023

PIM-Version: 35 • PIM-ID: 709615 • PIM-Code: 35-40-16.12.13-7.7.8.5.5.9.5.10-1

Company-IDs: 21220

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