

Technical Data Sheet

Fibracon[®] PTFE + 15% Carbon

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			
Density	ASTM 1457	g / cm ³	2.0 - 2.2
Mechanical properties			
Hardness	ASTM 1706	Shore D	58 - 62
Tensile Strength (23°C)	ASTM 1457	MPa	18
Elongation at Break	ASTM 1457*	%	>250
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.

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Print: 31/05/2026 • Release: 20/09/2023
 PIM-ID: 709605 • PIM-Code: 35-40-16.12.16-9.7.8.5.5.27.5.10-2
 Company-IDs: 21220

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