

Technical Data Sheet

Fibracon[®] PTFE + 20% Carbon Fibre

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 4894	g / cm ³	1.98
Mechanical properties			
Hardness	Needle	Shore D	64
Tensile Strength (23°C)	ASTM 4894	MPa	12
Elongation at Break	ASTM 4894	%	140
Thermal properties			
Service Temperature		°C	-200 to +260

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 • www.roechling.com/industrial/materials

Print: 30/05/2026 • Release: 20/09/2023
 PIM-ID: 709610 • PIM-Code: 35-40-16.12.16-9.7.8.5.5.27.5.10-1
 Company-IDs: 21220

Page 1 / 1 (Dates in DD/MM/YYYY)

