

Technical Data Sheet

Fibracon[®] PTFE + 10% 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 D1457	g / cm ³	2.0 - 2.2
Mechanical properties			
Hardness	ASTM D1706	Shore D	56 - 61
Tensile Strength (23°C)	ASTM D1457	N/mm ²	>18
Elongation at Break	ASTM D1457*	%	>300
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.