

Technical Data Sheet

Fibracon[®] PTFE + 50% Stainless Steel

PTFE

Typical characteristics

- Good heat conductivity
- Offers greater chemical resistance than bronze filled PTFE in high pressure applications
- Reduced deformation under load

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 D4894	g / cm ³	3.35
Mechanical properties			
Hardness	Needle	Shore D	60 - 69
Tensile Strength (23°C)	ASTM D4894	MPa	14
Elongation at Break	ASTM D4894	%	150
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.