

Technical Data Sheet

Fibracon[®] PTFE + 20% Carbon Fibre

[Characteristics compared to virgin PTFE]

Product characteristics

- Particularly low wear when lubricated with water
- Reduced deformation under load (improved compressive strength)
- Improved thermal and electrical conductivity

Product applications

- Dry, poorly lubricated environments
- Wear resistant seals and gaskets

	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.