

Technical Data Sheet

Fibracon[®] PTFE + 23% Carbon + 2% Graphite

[Characteristics compared to virgin PTFE]

Product characteristics

- Excellent for dry and poorly lubricated environments
- Improved thermal and electrical conductivity compared to virgin PTFE
- Reduced deformation under load compared to virgin PTFE

Product applications

- Wear resistant seals and gaskets
- Piston and rider rings
- Grades evaluated to NORSOK M710 for oil and gas applications

	Test method	Unit	Guideline Value
General properties			
Density	ASTM D4894	g/cm ³	2.09
Mechanical properties			
Hardness	Needle	Shore D	64 - 70
Tensile Strength (23°C)	ASTM D4894	MPa	18
Elongation at Break	ASTM D4894	%	65
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.