

Technical Data Sheet

Fibracon[®] PTFE + 10% Carbon + 5% Graphite

[Characteristics compared to virgin PTFE]

Product characteristics

- Soft carbon offers reduces tool wear compared with other carbon filled PTFE
- Improved thermal and electrical conductivity
- Reduced deformation under load

Product applications

- Dry, poorly lubricated environments
- Wear resistant seals and gaskets
- Grades evaluated to NORSOK M710 for oil and gas applications

	Test method	Unit	Guideline Value
General properties			
Density	ASTM D1457	g/cm ³	2.05 - 2.25
Mechanical properties			
Hardness	ASTM 1706	Shore D	57 - 61
Tensile Strength (23°C)	ASTM D1457	N/mm ²	>18
Elongation at Break	ASTM D1457*	%	>200
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.