

## Technical Data Sheet

### Fibracon<sup>®</sup> 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
<b>General properties</b>			
Density	ASTM D1457	g/cm <sup>3</sup>	2.05 - 2.25
<b>Mechanical properties</b>			
Hardness	ASTM 1706	Shore D	57 - 61
Tensile Strength (23°C)	ASTM D1457	N/mm <sup>2</sup>	>18
Elongation at Break	ASTM D1457*	%	>200
<b>Thermal properties</b>			
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.