

## Technical Data Sheet

Fibracon<sup>®</sup> PTFE + 10% 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

- Wear resistant seals and gaskets
- Poorly lubricated environments

	Test method	Unit	Guideline Value
<b>General properties</b>			
Density	ASTM D1457	g/cm <sup>3</sup>	2.0 - 2.2
<b>Mechanical properties</b>			
Hardness	ASTM D1706	Shore D	56 - 61
Tensile Strength (23°C)	ASTM D1457	N/mm <sup>2</sup>	>18
Elongation at Break	ASTM D1457*	%	>300
<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.