Röchling

Industrial

Technical Data Sheet

Fibracon® PTFE + 15% Carbon

[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 1457	g/cm^3	2.0 - 2.2
Mechanical properties			
Hardness	ASTM 1706	Shore D	58 - 62
Tensile Strength (23°C)	ASTM 1457	MPa	18
Elongation at Break	ASTM 1457*	%	>250
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.

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INTEGRATED MANAGEMENT SYSTEM