Röchling

Industrial

Technical Data Sheet

Fibracon® PTFE + 33% Carbon + 2% Graphite

[Characteristics compared to virgin PTFE]

Product characteristics

- Improved wear resistance
- Improved thermal and electrical conductivity
- Reduced deformation under load

Product applications

- Commonly used for piston and seal rings in the compressor industry
- Dry, poorly lubricated environments

	Test method	Unit	Guideline Value
General properties			
Density	ASTM D4894	g/cm^3	2.04
Mechanical properties			
Hardness	Needle	Shore D	64 - 70
Tensile Strength (23°C)	ASTM D4894	MPa	12
Elongation at Break	ASTM D4894	%	40
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.

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INTEGRATED MANAGEMENT SYSTEM