Technical Data Sheet

Fibracon® PTFE virgin

PTFE

Typical characteristics

- Wide operating temperature -200°C to +260°C
- Low coefficient of friction
- Chemical resistant

Typical industries

- Chemical Processing Industry
- Vehicle Construction
- Electronics
- Oil and Gas
- Mechanical Engineering Industry
- Healthcare
- Food Industry
- Sports & Leisure
- Wind Energy
- Semiconductor Front-End Wet Bench
- Semiconductor Front-End applications

	Test method	Unit	Guideline value
General properties			
Density	ASTM D4894	g / cm^3	2.17
Mechanical properties			
Hardness	Needle	Shore D	54 - 60
Tensile Strength (23°C)	ASTM D4894	N/mm^2	25
Elongation at Break	ASTM D4894	%	250
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.

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

Print: 20/04/2026 • Release: 20/09/2023
PIM-Version: 51 • PIM-ID: 709600 • PIM-Code: 51-40-12.12.33-9.7.8.5.5.27.5.3.10.9.10-1
Company-IDs: 21220

INTEGRATED MANAGEMENT SYSTEM