

Technical Data Sheet

Fibracon[®] Detectaflon PTFE

Product characteristics

- X-ray and metal detectable
- Easy to clean, withstands chemical cleaning products and other cleaning processes

Product applications

- Seals
- Nozzles
- Stirrers and scrapers

	Test method	Unit	Guideline Value
General properties			
Specific Gravity	ASTM D4894	-	2.32
Mechanical properties			
Hardness	Needle	Shore D	63
Tensile Strength (23°C)	ASTM D4894	MPa	28
Elongation at Break	ASTM D4894	%	300
Coefficient of friction (Dynamic)	ISO 7148 *	-	0.22
Wear rate	ISO 7148 *	mm/h	0.022
Thermal properties			
Service Temperature		°C	-200 to +260

*ISO 7148 - Tribo starting conditions
 Pin on ring ISO 7148
 Load= 3.5 N
 Rotating Speed= 4 m/sec
 Temp.= 80°C
 Counter-surface= STST
 Ra= 0.25-0.35 µm
 Contact area of the pin: 78.5 mm²

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.