

PTFE + 50% INOX AISI 316 L

General properties	Test method		
Specific gravity	ASTM D4884	g/cm ³	3,360 - 3,410
Tensile strength	ASTM D4894	MPa	≤ 15
Elongation	ASTM D4894	%	≤ 150
Hardness	ASTM D2240	Shore D	≤ 65
Deformation under load (140 N/mm ² for 24 hrs. at 23°C)	ASTM D621	%	6 - 7,5
Permanent deformation (after for 24 hrs. Relaxation at 23°C)	ASTM D621	%	2,5 - 3,5
Coefficient of linear thermal expansion T=25 - 100 °C	ASTM D696	10 ⁻⁵ /°C	10 - 11,5
Coefficient of static friction	ASTM D1894		0,16 - 0,18
Coefficient of dynamic friction	ASTM D1894		0,13 - 0,15
Volume resistivity	ASTM D257	Ohm*cm	-
Service temperature		°C	-200 / +260

Product characteristics

- Improved compression resistance (very low cold flow), low permeability.

Typical field of application

- In dynamic applications where high compression and chemical resistance are required (seals and bearings for food industry machinery).

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.