

PFTE Virgin

Standard colour: white

- ⦿ Suitable for applications like shaped parts, moulded cylinders, skived of film of > 20 µm, sheets and gaskets and is suitable as basic material for PTFE compounds production.
- ⦿ Service temperature range: -200 +260 °C
- ⦿ Chemically inert
- ⦿ FDA
- ⦿ Comm. Reg. (EU) 10/2011
- ⦿ GMP

Properties	Value	Unit	Test Method
Density	2.13-2.19	g/cm ³	ASTM D4894
Hardness	54-60	SHORE D	ASTM D2240
Tensile Strength	20-30	MPa	ASTM D4894
Tensile Modulus	0.55	GPa	ASTM D4894
Elongation	200-350	%	ASTM D4894
Compressive Strength @ 23°C	24	MPa	ASTM D604
Compressive Modulus @ 23°C	ND	GPa	ASTM D604
Deformation Under Load (15 MPa - 24 hrs @ 23°C)	10-13	%	ASTM D621
PERMANENT DEFORMATION (15 MPa - 24 hrs @ 23°C)	6-7.5	%	ASTM D621
Thermal Conductivity	0.34	W/mK	ASTM C177
Coefficient of Linear Thermal Expansion (25-100°C)	15	10e-5 / °C	ASTM D696
Flammability	V-0		UL 94
Dielectric Strength 30	30	kV/mm	ASTM D149
Volume Resistivity	10 ¹⁸	Ohm cm	ASTM D257
Surface Resistivity	10 ¹⁷	Ohm	ASTM D257
Coefficient of Friction - Static	0.08		ASTM D1894
Coefficient of Friction - Dynamic	0.06		ASTM D1894
Wear Factor	0.9*10 ⁻³	mm ³ /Nm	ASTM D3702

All above stated data results from random tests which were taken from the ongoing production. All data was established based on standard test-products according to ISO, DIN and ASTM standards and can basically not be carried over to the completed seal.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.