



PTFE glass wear

Polytetrafluorethylene +15% glass fibre, +5% molybdenumsulfide
Standard colour: grey

- Hard, low wear PTFE
- Resistant to mineral oil, HFC, HFD-U, HETG=biological base, acid oils and gases, cold water, hot water and steam, diluted acids and bases
- Applicable for spring assisted sealing elements

Properties	Value	Unit	DIN Standard
Hardness	58 ± 3	Shore D	ISO 868
Density	2,244	g/m ³	DIN 53479
Ball indentation hardness	≥ 26	MPa	DIN 53456 H135/30
Tensile strength at break	≥ 16	MPa	ASTM D 4745-79
Elongation at break	≥ 185	%	ASTM D 4745-79
Compressive strength	≥ 8	MPa	DIN 53455
Thermal conductivity	0,13	kJ/m ² *h*K	DIN 52612
Therm. Coefficient of linear exp.	11	K ⁻¹ * 10 ⁻⁵	
Coefficient of friction	0,13	μ	
Tensile modulus	1320	MPa	DIN 53457
min. service temperature	-200	°C	
max. service temperarute	+260	°C	

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.

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