



PTFE bronze wear

Polytetrafluorethylene +40% bronze

Standard colour: bronze

- 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	60 ± 3	Shore D	ISO 868
Density	3,150	g/m ³	DIN 53479
Ball indentation hardness	≥ 39	MPa	DIN 53456 H135/30
Tensile strength at break	≥ 22	MPa	ASTM D 4745-79
Elongation at break	≥ 216	%	ASTM D 4745-79
Compressive strength	≥ 10	MPa	DIN 53455
Thermal conductivity	4,0	kJ/m ² *h*K	DIN 52612
Therm. coefficient of linear exp.	8,5	K ⁻¹ * 10 ⁻⁵	
Coefficient of friction	0,13	μ	
Tensile modulus	1375	MPa	DIN 53457
min. service temperature	-200	°C	
max. service temperature	+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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