



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

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.