

# 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/cm <sup>3</sup>	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 <sup>2</sup> h*K	DIN 52612
Therm. coefficient of linear exp.	8,5	K <sup>-1</sup> * 10 <sup>-5</sup>	
Coefficient of friction	0,13	μ	
Tensile modulus	1375	MPa	DIN 53457
min. service temperature	-200	°C	
max. service temperature	+260	°C	