

PTFE bronze wear

Poly-Tetra-Fluor-Ethylene +40% Bronze, brown

- PTFE reinforced with bronze, improved wear resistance
- Resistant to mineral oils, HFC, HFD-U, HETG, sour oils and gases, cold water, hot water and steam as well as diluted acids and bases
- Applicable for static seals as well as for glide rings with energizer

Properties	Value	Unit	DIN Standard
Hardness	60 ±3	Shore D	ISO 868
Density	3,150	g/m ³	DIN 53479
Ball indentation at break	≥ 39	MPa	DIN 53456 H135/30
Tensile strength	≥ 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
lin. Coefficient of expansion	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 result from random tests which were taken from the ongoing production. All data were established based on standard test-specimen according to ISO, DIN and ASTM standards and can basically not be carried over to the construction element.

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