



Bronze PTFE

Polytetrafluoroethylene

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Standard Colour: **Brown**

Properties	Unit	Test method	Value
Hardness	Shore D	ASTM D2240	≥58
Density	g/cm ²	ASTM D792	2.98-3.16
Elongation at break – CD*	%	ISO527	≥200
Tensile strength – CD*	N/mm ²	ISO527	≥18
Compressive strength at 1% deformation – CD*	N/mm ²	ASTM D695	≥8
Deformation under load at room temperature after 24h at 13.7 N/mm ² – CD*	%	ASTM D621	≥8
Permanent deformation as above after 24h of rest at room temperature – CD*	%	ASTM D621	≤5
*CD = Cross Direction			
Tribological			
Dynamic coefficient of friction		ASTM D1894 ASTM D3702	0.15-0.25
Wear factor K		ASTM D3702	0.010 – 0.030
Thermal			
Min service temperature	°C		-200
Max service temperature	°C		+260
Thermal expansion coefficient (linear) 25 - 100°C	10 ⁻⁵ (mm/mm)/°C	Similar to ASTM D696	8 - 11

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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