

PRODUCT

40%BZ

(60% virgin ptfе+ 40% Bronze)

Property	Method	Units	Specification
Specific gravity	ASTM D4884	g/ cm ³	3,090 - 3,140
Tensile strength	ASTM D4894	MPa	≥ 20
Elongation	ASTM D4894	%	≥ 200
Hardness	ASTM D2240	Shore D	≥ 65
Deformation under load (14N/mm ² , 24 h at 23°C.)	ASTM D621	%	7 - 10
Permanent deformation (after 24 hrs. Relaxation at 23°C)	ASTM D621	%	4 - 5
Coefficient of static friction	ASTM D1894		0,16 – 0,18
Coefficient of dynamic friction	ASTM D1894		0,14 – 0,16
Volume Resistivity	ASTM D257	Ohm cm	10 ⁷
Service Temperature		C°	-200 / +260

Properties:

- Excellent wear and compression resistance (low cold creep), good thermal conductivity.

Main applications:

- In dynamic seal applications requiring high wear resistance under strong compression, but where chemical resistance is not important (eg. slideways, compression ring and bearings for alternating, oscillating and helical movements).

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