

PRODUCT

# 60%BZ

(40% virgin ptfе + 60% Bronze)

Property	Method	Units	Specification
Specific gravity	ASTM D4884	g/ cm <sup>3</sup>	3,900 - 3,980
Tensile strength	ASTM D4894	MPa	≥ 17
Elongation	ASTM D4894	%	≥ 150
Hardness	ASTM D2240	Shore D	≥ 65
Deformation under load (14N/mm <sup>2</sup> , 24 h at 23°C.)	ASTM D621	%	5,5 - 6,5
Permanent deformation (after 24 hrs. Relaxation at 23°C)	ASTM D621	%	2 - 2,5
Coefficient of linear thermal expansion T= 25 - 100°C	ASTM D696	10 <sup>-5</sup> /°C	8 - 8,5
Coefficient of static friction	ASTM D1894		0,18 - 0,20
Coefficient of dynamic friction	ASTM D1894		0,16 - 0,18
Volume Resistivity	ASTM D257	Ohm cm	10 <sup>7</sup>
Service Temperature		C°	-200 / +260

#### Properties:

- Excellent wear and compression resistance (low cold creep), good thermal conductivity. Improved coefficient of friction when combined with Mos<sub>2</sub> or graphite.

#### 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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