

40% Bronze Filled PTFE Compound Tube

PTFE - BF40 – Brown

General description

As being the seller and producer of 40% Bronze Filled PTFE Compound Tube, we can easily provide all range of sizes to fulfill your want with fastest shipment. Bronze is among the most well-known as well as typical metallic filler for PTFE. Bronze is an alloy of copper and tin, therefore it is infected by acids and bases. As well, bronze oxidizes through the sintering procedure, nevertheless this has no impact on the quality of the materials.

Physical properties

Density:	ASTM D792, DIN EN ISO 1183	g/cm ³	3.5 – 3.9
Hardness:	ASTM D2240, DIN ISO 7619-1	Shore D	≥ 62
Tensile strength:	ASTM D4745, DIN EN ISO 527	N/mm ²	≥ 15
Elongation at break:	ASTM D4745, DIN EN ISO 527	%	≥ 150
Coefficient of friction (dynamic):	ASTM D1894	-	0.14 – 0.25
Wear factor (K):	ASTM D3702	-	0.010 – 0.03
Compr. strength at 1% deformation:	ASTM D695	N/mm ²	≥ 8
Therm. Exp. Coeff. (lin.) 25-100°:	ASTM D696	10 ⁻⁵ /°C	9 – 13

Temperature range: - 200°C to 260°C

Main application

40% Bronze Filled PTFE Compound can be used for Piston or Rod seals with spring or elastomere energizer, rotary seals, back-up rings, special seals and O-rings, high and low temperature applications, chemical resistance required, low friction applications.

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