

Bronze Filled PTFE Tube

BL6400

General description

Bronze filled PTFE tube is made of PTFE resin and then reinforced with bronze powder with the percentage varying between 40% and 60%, resulting in a very hard wearing material. It has weaker chemical resistance than other grades of PTFE and isn't suitable for electrical applications. The addition of bronze to PTFE gives better dimensional stability and lowers creep, cold flow and wear, It increases hardness and compressive strength also increasing thermal and electrical conductivity.

Physical properties

Density	ASTM D792	g/cm ³	3.2
Hardness	ASTM D2240	Shore D	65
Tensile strength	ASTM D4745	mpa	19
Elongation at break	ASTM D4745	%	280
Coefficient of friction (dynamic)	ASTM D1894	-	0.07
Water Absorption	ASTM D570	%	0
Compressive strength	ASTM D695	mpa	9.5
Max linear therm. expansion 30-150°C	ASTM D696	%	1.15

Temperature range: -200°C to 260°C

Application

Bronze powder filled PTFE tube is used extensively in the compressor industry. wear rings, piston rings and bearing rings. High performance seals and wipers. It is an extremely versatile material.

Ningbo Sunshine Sealing Technology Co., Ltd

Head Office (Factory)

No.601, Zong'an Road, Zonghan Street, Cixi City, Zhejiang Province

Fax: 86-574-87081331

Ningbo Branch

No.257, Eastern Section of Huancheng North Road, Jiangbei District

Tel: 86-0574-55121570

Website: ww.polyimide-ptfe.com

E-mail: sunshine@sunshinegaskets.com

