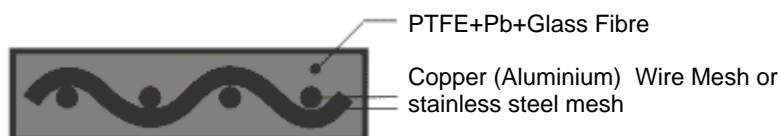


FR series is a kind of soft and ductile self-lubricating bushing reinforced by metal meshed. It is manufactured by the utilization of bronze mesh as skeleton, filled with modified PTFE. The strips are sintered and then rolled to the specific thickness. The metal mesh offers strength, elasticity and the stability of the article form; and the modified PTFE being the wear resistant and self-lubricating. flanged bushings, with very thin wall thickness. FR series are particularly fit for those articles working in low speed and low load, such as official machine, textile machine, precision instruments, hinges for windows and doors ect...



Material Composition

Metal Meshes		Self-lubricating Plastics Films
Common used	Special Used	
Sn-Bronze	Stainless Steel, Al-alloy	PTFE, MoS ₂ , Graphite and Other Wear Resistant Materials

Physical Characteristic

Density	4.05~4.50(g/cm ³)	Tension Rate
Tensile strength	>=45(N/mm ²)	
Elongation	15(%)	
Compression Strength (Decrease of the thickness)	<=9(%)	24℃, 100N/mm ²
	<=12(%)	100℃, 100N/mm ²
	<=25(%)	24℃, 300N/mm ²
Flexural Strength	After bending 180° for 24 hrs, under -40℃ and 100℃, can be returned the original form by manpower.	
Friction Coefficient	0.15μ	DRY

Advantages of FR Series

1. Steadily work for long period with no lubrication oil;
2. Particularly fit for low speed and low load with oscillating, intermittent motion;
3. Good wear resistant and low friction;
4. Good Chemical resistant and corrosion resistant;
5. Standard series of bushed, washes and flanged bushes are available, at the same time, strips of required thickness are to be ordered for cutting and forming of the articles by the customers themselves

Want to know more about our products, please feel free to contact us!

Shanghai Tecmetal Import and Export Co., LTD

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