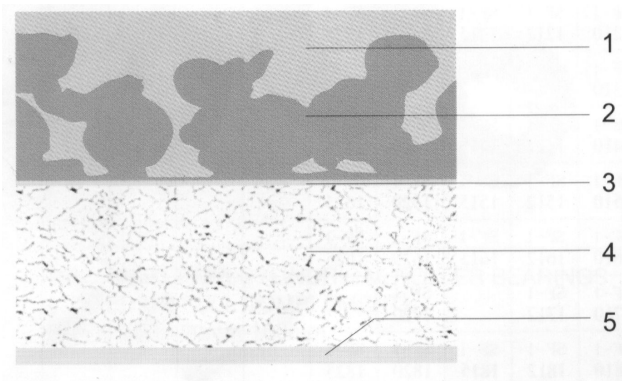
SF Series Bushes

Structure of SF-1,SF-2 bearing materials

SF-1 is a kind of oilless slide Bushing made of the PTFE composite material,Which is a copper-plateed steel plate on to which a porous layer of tin bronze powder is sintered and also a mixture of PTFE and lead are filled into and covered the porous layer by a rolling process.

SF-1 is a boundary lubricating bushes made of the POM composite material,Which also has a copperplated steel plate on to which a tin bronze powder is sintered, modified polyformaldehyde resin (POM) is firmly anchored in the sintered bronze layer .The surface of covering layer has many pockets to retain lubricating grease .



	SF-1	SF-2
1	PTFE and Lead	POM
2	Tin Bronze Powder	Tin Bronze Powder
3	Copper layer	Copper layer
4	Steel Back	Steel Back
5	Copper layer	Copper layer

Properties of SF-1、SF-2 bearing materials

Item Meaterial	Compressive strength	Temperature range	Coefficient of friction	Width of wear	PV factor limit	wear Depth Limit	Thermal Comductivity	Coefficient of Linear expansion
	(Mpa)	(℃)		(mm)	(Mpa.m/s)	(mm)	Kcal/M.br.C	(per ℃)
SF-1	280	-195-+270	＜0.20	＜5.5	3.6	0.05	2.41	2.7X10.5
SF-2	140	-20-+100	＜0.20	＜4.5	10	0.5	2.03	5.1X10-5
			Grease	Grease	Grease			