

Phosphor Bronze (CuSn5)

Strips



Material Designation		Chemical Composition (%)		Applications
UNS	C51000	Sn	4.5 - 5.5	Contact Springs / Relay springs
JIS	C5102	P	0.02 - 0.35	Connectors
INDIAN	CuSn5	Zn	≤ 0.3	Diaphragms
EN	CuSn5	Cu	Remaining	Stamped Parts
BS	PB-102			Lock Washers

Specification				Properties	
Thickness	0.08 - 4 mm	ID	100 - 500 mm	Cold Workability	Excellent
Width	6 - 600 mm	OD	-	Electroplating Capacity	Excellent
Length	-	Coil Wt	10 - 2000 Kg	Soft Soldering	Excellent
Temper	O , 1/4H , 1/2H , 3/4H , H , EH , SH			Welding Ability	Good

Description
Phosphor bronze is an alloy of copper with 4.5–5.5% of tin and 0.02-0.35% phosphorus. The addition of tin increases the corrosion resistance and strength of the alloy. The phosphorous increases the wear resistance and stiffness of the alloy. This provides an excellent combination of strength, excellent formability and hardness. This grade alloy is largely insensitive to stress corrosion cracking.

Value Proposition
<ul style="list-style-type: none">● Competitive Pricing● Flexible LME price fixation● Product Customization● Quality Assurance● Committed to deliveries● Standard export pallet packing

This data is general technical specification; Binding technical specifications will be as per agreement.