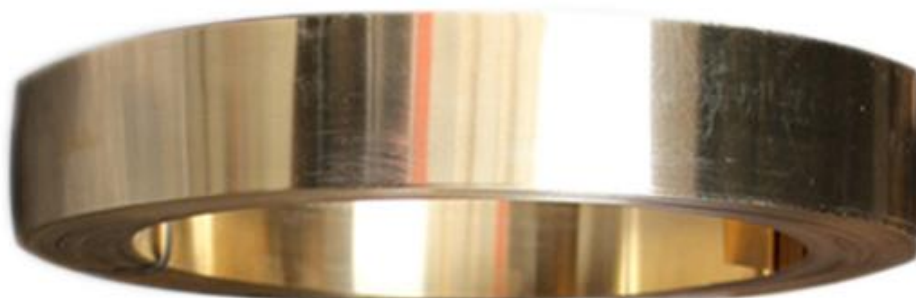


C51000 Bronze strip

Phosphor bronze factory, more than 10 years manufacture experience, attained ISO9001, work on OEM and ODM projects..

1. Introduction of the C51000 Bronze strip

C51000 / CuSn5 Phosphor Bronze Alloys, with a nominal composition of 94.80% copper and 5.0% tin, deoxidized with 0.2% phosphorus is the most widely used of the phosphor bronzes.



2. Grade and temper for C51000 Bronze strip

Grade: C5100, C51000, CDA510, C510, PB102, CuSn5

Temper: O, 1/4H, 1/2H, H, EH,SH

3. Chemical composition of C51000 Bronze strip

Grade	Cu	Fe	Pb	P	Sn	Zn
C51000	Remainder	0.1	0.05	0.03-0.35	4.2 - 5.8	0.3

4. Characteristic of C51000 Bronze strip

- High Strength
- Good Formability
- Excellent Connector for Telecommunication Spring Applications
- Low Memory
- Ideal Shear / Yield Ratio

5. Mechanical properties for C51000 Bronze strip

Address: No.16 Shuanggang street, Tangchun Village, Liaobu Town, 523407 Dongguan , Guangdong, China

Phone: +86-769-89800565

E-mail:sales@intmc.com

MECHANICAL PROPERTIES

Temper	Tensile Strength		Yield Offset	Elongation	Hardness
	<i>x 1000 P.S.I.</i>		<i>0.2% offset x 1000 P.S.I.</i>	<i>% in 2 Inches</i>	<i>.020 Gauge and Above</i>
Ann 060	43 - 58		19 - 31	48 - 62	30T 24 - 59
1/4H H01	49 - 61		22 - 52	32 - 50	30T 43 - 63
1/2H H02	58 - 73		47 - 68	16 - 38	30T 53 - 73
3/4H H03	68 - 80		61 - 75	10 - 20	30T 66 - 73
Hard H04	76 - 91		74 - 88	4 - 11	30T 71 - 78
Ex-H H06	88 - 103		85 - 102	2 - 6	30T 74 - 81
Spring H08	95 - 110		92 - 108	1 - 3	30T 76 - 82
Ex-Spring H10	100 - 114		98 - 110	1 - 3	30T 77 - 83

Hardness Legend 30T : Rockwell (30 kgf Steel Sphere)

6. Application of C51000 Bronze strip

C51000/ CuSn5 bronze strip is used for electrical terminals, Contact bridges, Switch Parts, Spring Components, Terminal Brackets, Mechanical Springs, Sleeve Bushings, Diaphragms, Clutch Disks etc.

7. Manufacture plant of C51000 Bronze strip



8. Tests and inspection for C51000 Bronze strip

Test instrument : Metallographic Microscope; Digital Light Processor; Strength Tester; Hardness Tester.



9. Mill certificate for C51000 Bronze strip



Test Report

No. SHAEC1827228301

Date: 08 Dec 2018

Sample photo:



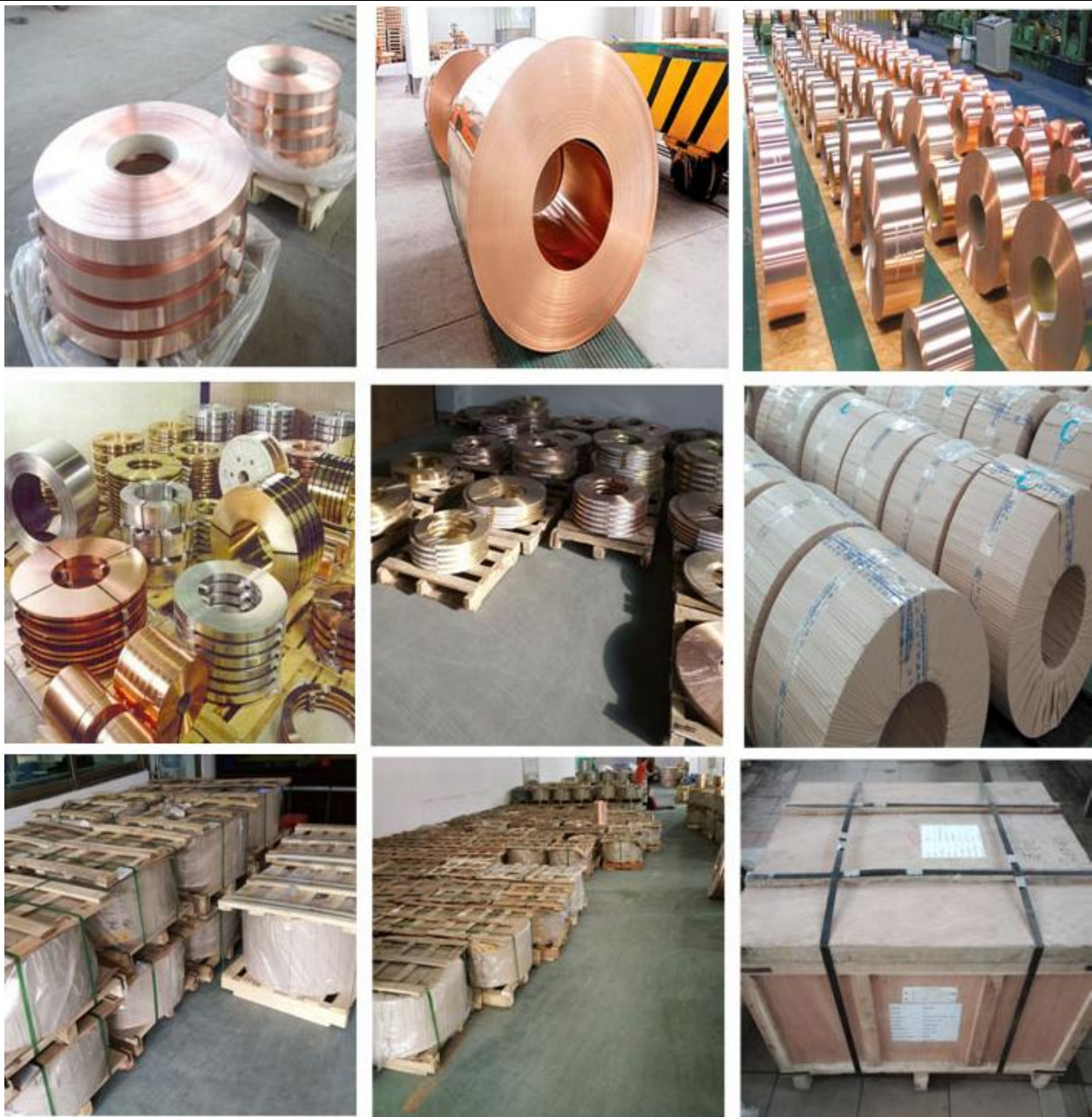
SGS authenticate the photo on original report only

*** End of Report ***

10. Packing and shipping for C51000 Bronze strip

Packing:

First wrapped by anti-rust paper, second wrapped by plastic film, then packed by wooden box or wooden pallet ..



Shipping:

We will choose the best way according to customer's requests.

1. By Air, to the indicated airport.
2. By Express (FedEx, UPS, DHL, TNT, EMS), to the indicated address.
2. By Sea, to the indicated sea port.

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Phone: +86-769-89800565

E-mail:sales@intmc.com



11. Questions and Answers

a1. Do you have ISO certificate?

Yes, we obtained ISO9001

a2. How long is your delivery time for C51000 Bronze strip?

If the master coil is available, 3-7 days do slitting will be ready , if not, will need 20-25 days for new production.

a3. Can you help us to choose suitable material?

Yes, we can recommend the most suitable material according to your application.

a4. How do you control quality?

We produce strictly according to customer's drawings and requests, here are strict control plan in every process, full check of each parts, strive to provide customer 100% quality products, ROHS/SGS test report, material certificate are available.

a5. Do you provide sample? Free or charge?

Yes, if the sample in stock available, free of charge, if not, need to charge some mfg cost.