

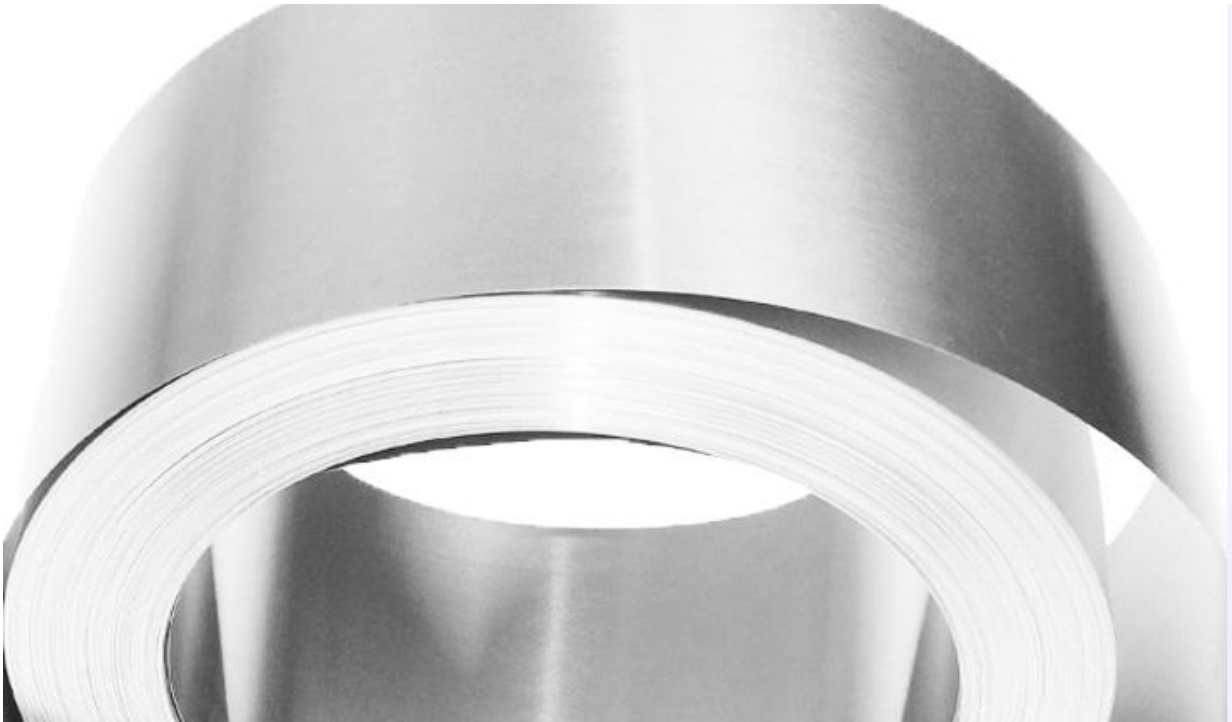
C77000 Copper Nickel Zinc strip

Copper Nickel Zinc alloy factory, more than 10 years manufacture experience, attained ISO9001, work on OEM and ODM projects..

1. Introduction of the C77000 Copper Nickel Zinc strip

C77000 /CuNi18Zn27 Copper-Nickel-Zinc alloy with beautiful color, ductility, fatigue resistance, corrosion resistance, good deep drawing performance, it is rich in silver-white metallic luster, has good machinability, corrosion resistance and Mechanical properties, suitable for cold pressure processing, high surface finish after cutting.

As this alloy has the pleasing silver like color, it also called nickel silver.



2. Grade and temper for C77000 Copper Nickel Zinc strip

Grade: UNS.C77000, CDA770, CuNi18Zn27, JIS C7701, BZn18-26 ,CW410J
Temper: O(M), 1/4H(Y4), 1/2H(Y2), H(Y), HH(T)

3. Chemical composition of C77000 Copper Nickel Zinc strip

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C77000 / CuNi18Zn27 Chemical Composition:

Cu: 54.0-58.00%
 Ni: 16.5.00-19.5%
 Fe: 0.25% Max.
 Pb: 0.05% Max.
 Mn: 0.50% Max.
 Zn: Balance

GB	UNS	EN	JIS	Cu%	Ni%	Zn%
BZn18-26	C77000	CuNi18Zn27	C7701	54-58	16.5-19.5	Rem

4. Properties of C77000 Copper Nickel Zinc strip

Physical properties for C77000 alloy				
Density g/cm ³	Electrical conductivity %IACS	Thermal conductivity W/(m.K)	Modulus of elasticity GPa	Specific heat J/(g.K)
8.7	5	32	125	0.34

Fabrication properties for C77000 alloy					
cold-workability	machinability	electric plating property	hot dip tin plating property	weldability	corrosion
excellent	suitable	excellent	excellent	good	excellent

Mechanical Properties for C77000 alloy				
Alloy No	Quality Grade	Tensile Strength (Kgf/mm)	Elongation %	Hardness Test HV
C77000	1/2H	55~66	≥8	150~210
	H	64~75	≥5	180~240
	EH	72~82	~	240~260
	SH	78~88	~	230~270

5. Application of C77000 Copper Nickel Zinc strip

C77000 CuNi18Zn27 Copper Nickel Zinc alloy is mainly used in Liquid crystal oscillator component housing, medical machinery, slides for potentiometers, precision instruments, architecture, wind instruments, etc.

6. Manufacture plant of C77000 Copper Nickel Zinc strip



7. Tests and inspection for C77000 Copper Nickel Zinc strip

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



8. Mill certificate for C77000 Copper Nickel Zinc strip

CERTIFICATE



9. Packing and shipping for C77000 Copper Nickel Zinc strip

Packing:

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

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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.



10. Questions and Answers

a1. Do you have ISO certificate?

Yes, we obtained ISO9001

a2. How long is your delivery time for Copper Nickel Zinc 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.