

Pure Copper foil

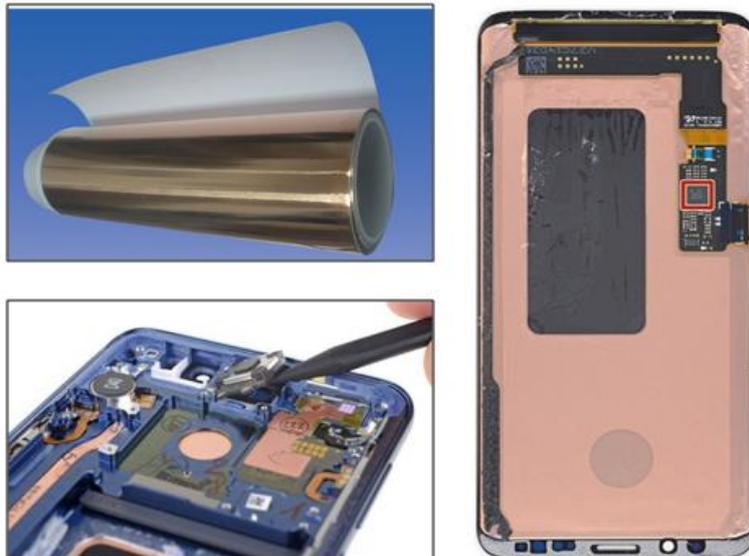
Copper Foil factory, more than 10 years manufacture experience, attained ISO9001, work on OEM and ODM projects..

1. Introduction of the Pure Copper foil

Pure Copper foil has a low surface oxygen characteristics, can be attached with a variety of different substrates, such as metal, insulating materials, etc., have a wide range of temperature use.

Mainly used in electromagnetic shielding and anti-static, the conductive copper foil placed on the substrate surface, combined with metal substrate, with excellent continuity, and provide the effect of electromagnetic shielding.

Pure copper foil can be divided into two categories: rolled copper foil (RA copper foil) and point copper foil (ED copper foil)



2. Grade and temper for Pure Copper foil

Grade: C1100, C1020, T2 ,TU2, C102 , Cu-ETP , CDA110, CDA102,

Temper: O(M), 1/4H(Y4), 1/2H(Y2), H(Y), HH(T)

3. Chemical composition of Pure Copper foil

Cu+Ag: ≥ 99.95

Sn : ≤ 0.002

Zn: ≤ 0.005

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Pb: ≤ 0.005
 Ni: ≤ 0.005
 Fe: ≤ 0.005
 Sb : ≤ 0.002
 S : ≤ 0.005
 As : ≤ 0.002
 Bi: ≤ 0.001
 O: ≤ 0.06
 Impurities: ≤ 0.1

4. Dimension and tolerance of Pure Copper foil

Thickness : 9 μ m –100 μ m
 Width : 10mm--1350mm

5. Mechanical properties for Pure Copper foil

Classification		Unit	9 μ m	12 μ m	18 μ m	22 μ m	35 μ m	50 μ m	70 μ m
1	Cu Purity (Grade: C1100)	%	Min.99.97						
2	Unit Area Weight	g/m ²	80 \pm 2	107 \pm 3	160 \pm 4	196 \pm 4	311 \pm 5	445 \pm 5	623 \pm 5
3	Tensile Strength	180 $^{\circ}$ C/30min N/mm ²	160–180	160–180	170–190	180–210	180–210	200–220	210–240
4	Elongation Rate	180 $^{\circ}$ C/30min %	≥ 7	≥ 7	≥ 8	≥ 9	≥ 11	≥ 13	≥ 20
5	Roughness	μ m	M Surface Rz: 0.8–1.5; S Surface Ra: Max.0.2						
6	Peel Strength	N/mm	≥ 0.8	≥ 0.8	≥ 0.9	≥ 1.0	≥ 1.2	≥ 1.4	≥ 2.0
7	Chemical Resistance	%	Max.5						
8	Oxidation Resistance		200 $^{\circ}$ C/60min Non–discoloring						
9	Solder Resistance		300 $^{\circ}$ C/20s No blisters						
10	Surface Quality		Uniform Color、No Wrinkle、No Scratche、No Pit and Salient Point						

6. Application of Pure Copper foil

It is widely used in electromagnetic shielding and anti-static, industrial calculators, Communications equipment, QA equipment, lithium-ion batteries, civilian television sets, video recorders, CD players, copiers, telephone, air conditioning, automotive electronics, game consoles.

Pure copper foil also used as decorative material. Such as: hotel hotels, monasteries, gold signs, tile mosaic, handicrafts and so on.

7. Manufacture plant of Pure Copper foil

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8. Tests and inspection for Pure Copper foil

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



9. Mill certificate for Pure Copper foil



Test Report

No. CANML1521268101

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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

10. Packing and shipping for Pure Copper foil

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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11. Questions and Answers

a1. Do you have ISO certificate?

Yes, we obtained ISO9001

a2. How long is your delivery time for copper foil?

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.