

Copper Coated Aluminum Bar CAB



PRODOTTI



◆ Product Description

1. Material Composition and Component Table:

Material: composite material copper-aluminum Copper: T2(C1100) ,
 Aluminum: 1060

Alloy elements	AL	Si	Fe	Cu	Mn	Mg	Zn	Ti	...
Aluminum/1060	99.61	0.0615	0.235	0.003	0.002	0.002	0.001	0.0195	
Alloy elements	Cu+Ag	Bi	Sb	As	Fe	Pb	S
Copper/T2	99.98	0.001	0.002	0.002	0.001	0.005	0.005		

2. Specification Description:

Total thickness: 0.07mm→14.5mm, 0.1mm→60mm, 0.1mm→15mm. Customization is available. The proportion of copper layer thickness to the total thickness: 5%, 10%, 15%, 20%, 25%, 30%, >30%. Customization is available.

Copper length or copper layer length: Customization is available. Width:

See the size table, customization is also available.

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Length: the maximum length of each size of Copper Coated Aluminum Bar is 6000mm, cutting as needed into 1 meter, 2 meters, 3 meters or as requirement. Customization is available.

Density: 3.94 and 4.56

Shape: Rounded corners and square corners

3. Other Physical Properties:

Specific Resistance: ($\Omega\text{mm}^2/\text{m}$) ≤ 0.024

Percentage Elongation: (%) 15~30

Strength Of Extension: (MPa) 150-170

Peel Strength: (N/mm) > 12

Surface Hardness: (HV 0.3) 76/37

4. The Characteristic Advantages of Composite Material Copper-aluminum And Related Application Fields:

A. It has overcome the "electrochemical corrosion effect", and achieved safe transition in electrical performance. Due to the significant chemical property difference between copper and aluminum, there is a potential difference. Under the condition of being electrified, it is easy to form non-conductive AL_2O_3 or be prone to be oxidized and corroded.

Therefore, it is widely used in power, electronics, new energy power, vehicle batteries.

B. It simultaneously possesses the electrical conductivity of copper and the heat dissipation performance of aluminum.

C. Energy Efficiency. Due to the high cost and large specific gravity of copper metal, the specific gravity of composite material copper-aluminum is 2 to 3 times smaller, and this material basically retains the physical and chemical properties

◆ Product Description

of both copper and aluminum. Therefore, compared with the complete application of materials pure copper, they can save costs to a certain extent in some fields.



◆ Specification

Model No.	Thickness* Width (mm)	Model No.	Thickness* Width (mm)	Model No.	Thickness* Width (mm)	Model No.	Thickness* Width (mm)	Model No.	Thickness* Width (mm)
CAB4-30	4*30	CAB4-40	4*40	CAB4-50	4*50	CAB4-60	4*60	MGB4-80	4*80
CAB4-100	4*100	CAB4-120	4*120	CAB5-25	5*25	CAB5-30	5*30	MGB5-40	5*40
CAB5-45	5*45	CAB5-50	5*50	CAB5-60	5*60	CAB5-80	5*80	MGB5.5-35	5.5*35
CAB5.5-45	5.5*45	CAB5.5-55	5.5*55	CAB5.5-70	5.5*70	CAB5.5-85	5.5*85	MGB5.5-110	5.5*110
CAB5.5-120	5.5*120	CAB6-30	6*30	CAB6-40	6*40	CAB6-50	6*50	MGB6-60	6*60
CAB6-70	6*70	CAB6-80	6*80	CAB6-85	6*85	CAB6-100	6*100	MGB6-110	6*110
CAB6-120	6*120	CAB6-140	6*140	CAB6-150	6*150	CAB8-40	8*40	MGB8-50	8*50
CAB8-60	8*60	CAB8-70	8*70	CAB8-80	8*80	CAB8-85	8*85	MGB8-100	8*100
CAB10-30	10*30	CAB10-40	10*40	CAB10-50	10*50	CAB10-60	10*60	MGB10-70	10*70
CAB10-80	10*80	CAB10-100	10*100	CAB10-120	10*120	CAB10-125	10*125	MGB10-140	10*140
CAB10-150	10*150	CAB12-60	12*60	CAB12-80	12*80	CAB12-100	12*100	MGB12-120	12*120
CAB12-135	12*135	CAB12-140	12*140	CAB12-150	12*150	CAB15-40	15*40		
CAB3-25	3*25	CAB3-30	3*30	CAB3-40	3*40	CAB3-50	3*50		

Model Selection Instruction: For example, if you need thickness * width 4*30 and length 1 meter, then the model No.is CAB4-30(L=1000mm).

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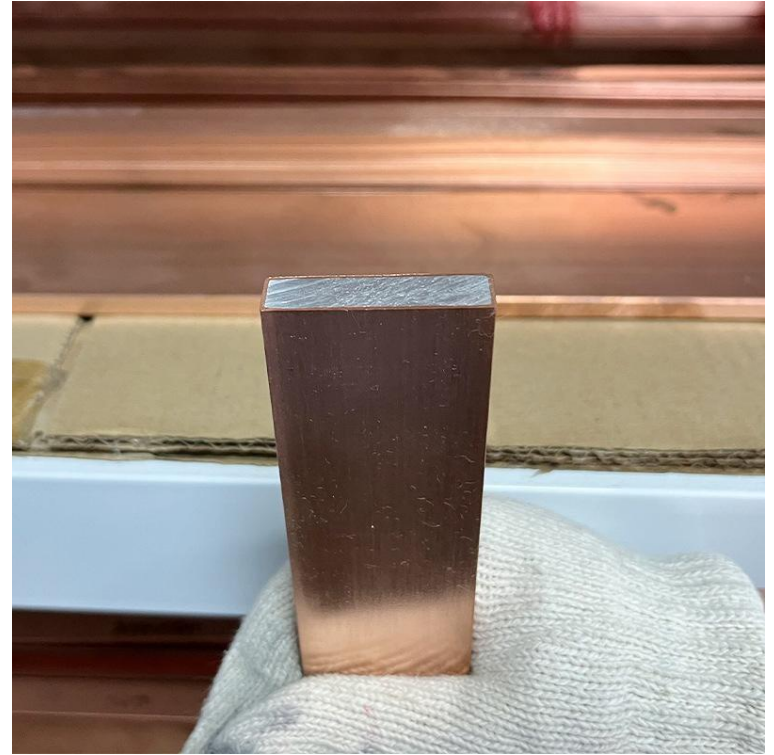
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◆ Product Picture





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