



# ARCOTECH

## Coinage

CHEMICAL COMPOSITION, %	
Cu	Rest
Ni	24-26
Mn	≤0.40
Fe	≤0.30

# AL-CN25 (CuNi25)

## Rolled Products

ALLOY DESIGNATIONS	
UNS	C71300
EN	CW350H
JIS	---
BS	--

### COIN BLANK SPECIFICATIONS

Thickness (mm)	0.80- 2.0
Diameter (mm)	10 - 40
Rim Height (mm)	1.25 - 3
	Ready to Strike
	Polished

### CHARACTERISTICS

AL-CN25 is silver colored alloy which has good corrosion, wear and tarnish resistance together with excellent cold forming and coining characteristics. The most commonly used wrought forms are strips and sheets.

### MECHANICAL PROPERTIES

Temper		Hardness , HV	Tensile Strength MPa Min.	Elongation(%) Min.
Ann	O	80-100	310	40
Hard	H04	145-170	400	15
Extra Hard	H06	≥170	520	3

### PHYSICAL PROPERTIES

#### TYPICAL VALUES IN ANNEALED TEMPER AT 20° C

Density (g/cm <sup>3</sup> )	Electrical Conductivity (% IACS)	Thermal conductivity (W/m.K)	Modulus of Elasticity (GPa)	Specific Heat (J/kg.K)
8.95	5	33	145	380

### ARCOTECH LTD

181, Sector-3, Industrial growth Centre, Rewari, Haryana, India. Ph: 01284-264160/161, Website :www.arcotech.in



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## Coinage

# AL-CN25 (CuNi25)

## Rolled Products

### Fabrication Properties

Capacity Being Cold Worked	Good
Machinability	Fair
Capacity for Being Electroplated	Excellent
Capacity for Being Hot Dip Tinned	Excellent
Soft Soldering	Excellent
Resistance Welding	Good
Gas Shielded Arc Welding	Excellent
Laser Welding	Good

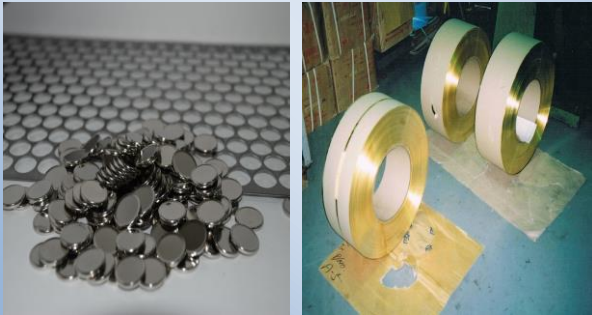
### CORROSION RESISTANCE

AL-CN25 is good resistance to atmospheric influences, organic compounds, neutral and alkaline saline solutions.

This alloy maintain pleasant look over time. The color, thickness, shape and diameter of the coin made from this alloy remain unchanged for decades.

### Packaging

Standard sea-worthy packaging or as per specific requirements of the customer.



### TYPICAL APPLICATION

- Coinage
- Condensers, condenser plates, heat exchanger tubes

AL-CN25 conform ROHS Directive

This data is general technical product information. Binding technical features are subject to the contract.

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