

# CDA 110

# COPPER ALLOY

ELECTROLYTIC COPPER

UNS C11000 electrolytic tough pitch copper is ductile, has excellent resistance to corrosion, and has a conductivity of 101% IACS. The following datasheet will discuss in detail about UNS C11000 electrolytic tough pitch copper. Annealing of C11000 copper is performed at temperatures ranging from 371 to 649°C (700 to 1200°F).

## Chemical Properties

Cu	O
99.9	0.04

## Mechanical Properties

Yield strength	Tensile strength	Elongation
Min 0.2% PSI	Min PSI	Min %
69	220	45

## Physical Properties

Density	Mean Coefficient of Thermal			Thermal Conductivity	Specific Heat	Melting Point
(Kg/m <sup>3</sup> )	Expansion(µm/m/°C)			(W/m.K)	0-100°C	(nΩ.m)
7.9	17	17.3	17.7	388	205	1065-1083

## Heat Treatment

The annealing temperature of B16/360 Brass is 800°-1100°F

## Equivalent Designation

UNS C11000

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