

METALS AND PLASTICS

**Copper Alloys** 

# CW508L (CZ108) Sheet & Tube

Datasheet Updated 05 December 2024

# RANGE

#### Sheet

If required, some sheet sizes are available bright polished and plastic coated one side. Contact your local Service Centre for details.

Sheet Size	Imperial Sizes	Metric Sizes
2m x 1m	3/16" - 1/4"	0.45mm - 5.0mm
4' x 2'	26swg - 10swg	0.55mm - 3.0mm
8' x 1'	0.9mm - 1.5mm	

#### Tube

Tube	Size Range	Size Range
	From	То
Tube (Half Hard)	3/4" OD x 20	3" OD x 16
EN12449	swg	swg

SPECIFICATIONS		
Commercial	CZ108	
EN	CW508L	

An alpha brass with good hot and cold working capabilities.

## CHEMICAL COMPOSITION

### EN 1652

#### CW508L Brass

% Present
62.00 - 64.00
0.00 - 0.05
0.00 - 0.10
0.00 - 0.10
0.00 - 0.30
0.00 - 0.20
0.00 - 0.10
Balance

#### EN 12449:2012

#### Tube Up to 5.00mm Wall Thickness

Element	% Present
Tensile Strength	440 Min Mpa
Proof Stress	320 Min MPa
Hardness Vickers	115 Min HV
Hardness Brinell	110 Min HB
Elongation A	10 Min %

#### ALLOY DESIGNATIONS

CZ108/CW508L corresponds to the following designations **but may not be a direct equivalent:** 

- UNS C27200
- ISO CuZn37

#### SUPPLIED FORMS

Sheet

# RIGHTON BLACKBURNS

METALS AND PLASTICS



#### **APPLICATIONS**

- Heat exchangers
- Switch components
- General copper smithing work
- Scientific applications
- Radiator tanks
- Lamp holders
- Decorative components
- Chains
- Fasteners
- Hinges
- Locks
- Pins, rivets, screws & springs

## CHARACTERISTICS

- Good corrosion resistance
- Good hot and cold forming properties
- Very good cold heading attributes
- Excellent weldability
- Very good bending properties
- Reasonable machining properties
- Good strength properties

### MECHANICAL PROPERTIES

## EN 1652 Sheet 0.2mm to 5.00mm

Property	Value
Tensile Strength	300-550 MPa
Elongation A50 mm	38-3 %
Hardness Vickers	55 to 180 HV
Proof Stress	110-500 MPa

#### DISCLAIMER

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