

CZ101 / CW501L

Product Datasheet



Gilding Brass

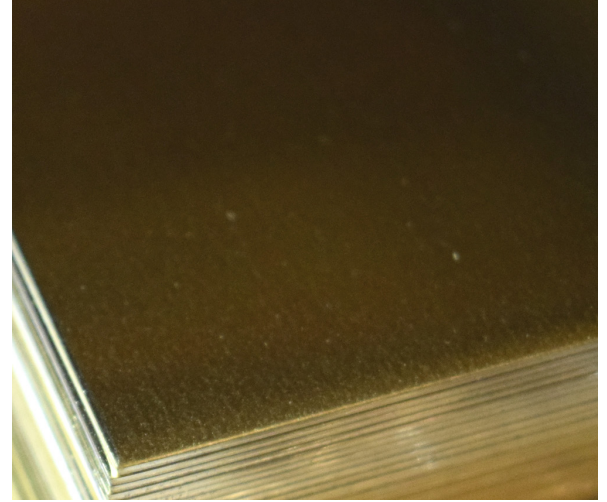
Service. Quality. Value.

Gilding Brass

A popular sheet product for architectural, decorative and craft applications.

With approximately 90% copper and 10% zinc, CZ101 (CW501L) offers excellent cold working and formability characteristics; for this reason, the product generally supplied in sheet form. The alloys striking golden coloured appearance makes this product popular in craft and architectural applications. CZ101 (CW501L) is easy to engrave, braze, solder or enamel. The alloy offers high resilience to dezincification and stress corrosion.

We stock CZ101 (CW501L) gilding brass in sheet and strip form.



Key Features

- Good overall strength
- Excellent corrosion resistance
- Resistance to dezincification
- Good rigidity
- Can be hot worked

Applications

- Naval hardware
- Propeller shafts
- Missile components
- Plumbing hardware
- Pressure vessels

Chemical Composition (weight %)

	Cu	Pb	Fe	Zn	Other
Min	89.0				
Max	91.0	0.05	0.1	Rem	0.4

Physical Properties

Melting Point	Density	Electrical Conductivity	Electrical Resistivity	Thermal Conductivity (RT)	Coefficient of Thermal Expansion (20 - 200°C)
1045°C	8.80 g/cm ³	44% IACS	0.039 ohn mm ² /m	188 W/m ² K	18 x 10 ⁻⁶ / °C

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Quality & Testing:



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