Brass OT63

CW508L / CuZn37

Brass OT 63, often designated CW508L or "63/37", is a lead-free alloy certified to NSF/ANSI 372. It marries the elegance of a copper finish with the mechanical properties of zinc. In the half-hard condition, the sheet forms readily into complex shapes without compromising structural integrity, whilst ensuring compliance with drinking-water regulations and satisfying the aesthetic demands of architecture and design.



Material properties

Density		8,5	g/cm³
Tensile strength	ISO 6892	350-440	MPa
Elongation at break	ISO 6892	19	%
Yield strength	ISO 6892	170	MPa
Elastic modulus	ISO 6892	112	GPa
Hardness		95-125	HV
Melting temperature		902-920	°C
Thermal conductivity (20°C)		120	W/mK

Printing layer height

Maximum dimensions 1500x1500 mm (59.06x59.06 in)

Tolerances

Applications

It is employed in metal fabrication and interior fittings, window and door hardware, the electrical industry, promotional design, precision component manufacture, musical instruments and jewellery, owing to its exceptional versatility and durability.

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