

63/37 BRASS (UNS C27200) SPECIFICATION & DATASHEET

ALLOY CHARACTERISTICS

63/37 alloy is an important Brass alloy for cold work processes with 37 % Zinc. It has good forming, solderability and great stamping properties. The high Zinc content contributes to increased tensile strength and makes it one of the most cost-effective Brass alloys. Typical applications for this alloy are: Architectural forms, connectors, input-output plugs, switches, light frames, decorative panels, bulb sockets, musical instruments etc

ALLOY COMPOSITION

ELEMENT	%
Cu	63
Other	0.14
Zn	Balance

MECHANICAL PROPERTIES

PROPERTY	UNITS
Half Hard Temper	HV 110-135
Tensile Strength	410-490 N/mm ²
Elongation	Approx. 15% Typ.

PHYSICAL PROPERTIES

PROPERTY	UNITS
Melting Point (Liquidus)	Approx. 916° C
Density	8.40 gm/cm ³ @20°C
Coefficient of Thermal Expansion	20.2 x 10 ⁻⁶ /°K (20°C)
Electrical Conductivity	Min. 28% IACS

ALTERNATIVE SIMILAR SPECIFICATIONS

- ASTM B36 / B36M C27200
- DIN EN CW 508L
- EN CuZn37
- JIS C2720

CONTACT

09 828 1814 | www.ambrometals.com | architectural@ambrometals.com