

70/30 BRASS (UNS C26000) SPECIFICATION & DATASHEET

ALLOY CHARACTERISTICS

70/30 “Cartridge Brass” is a Brass alloy with excellent working properties. Its main characteristics are good workability and good drawing ability. Here we have the ideal combination between good strength and excellent cold forming properties. This alloy is the most popular for deep drawing applications.

ALLOY COMPOSITION

ELEMENT	%
Cu	70
Other	0.14
Zn	Balance

MECHANICAL PROPERTIES

PROPERTY	UNITS
Half Hard Temper	HV 110-135
Tensile Strength	395-460 N/mm ²
Elongation	Approx. 17% Typ.

PHYSICAL PROPERTIES

PROPERTY	UNITS
Melting Point (Liquidus)	Approx. 954° C
Density	8.5 gm/cm ³ @20°C
Coefficient of Thermal Expansion	19.6 x 10 ⁻⁶ /°K (20°C)
Electrical Conductivity	Min. 28% IACS

ALTERNATIVE SIMILAR SPECIFICATIONS

- ASTM B36 / B36M C26000
- DIN EN CW 508L
- EN CuZn37
- JIS C2720