

DHP COPPER (UNS C12200) SPECIFICATION & DATASHEET

ALLOY CHARACTERISTICS

Cu-DHP is a phosphorus-deoxidized Copper with a limited amount of residual Phosphorus. It has excellent welding and soldering properties and is resistant to Hydrogen embrittlement. It has excellent hot and cold workability. Main applications: Architectural profiles, Downpipes, Gutters, Flashing, Roofing, Heater Units, Condenser Sheets, Air Conditioners, Refrigerators, Electrical Wire Connectors, Heater Elements, Kettles, Anodes for Electroplating, Heat Exchanger Shells, Oil Coolers, Tanks, Casting Moulds.

ALLOY PURITY

99.9% Copper.

MECHANICAL PROPERTIES

PROPERTY	UNITS
Half Hard Temper	HV 65-95
Tensile Strength	240-300 N/mm ²
Elongation	Approx. 14% Typ.

PHYSICAL PROPERTIES

PROPERTY	UNITS
Melting Point (Liquidus)	Approx. 1083° C
Density	8.93 gm/cm ³ @20°C
Coefficient of Thermal Expansion	17.7 x 10 ⁻⁶ /°K (20°C)
Electrical Conductivity	Min. 81% IACS
Thermal Conductivity	330 W/m.K @ 20°

SIMILAR SPECIFICATIONS

- EN Cu-DHP
- DIN CW024A
- JIS C1220
- ASTM C12200

CONTACT

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