



CuB2

Copper-Boron Master Alloy

Standardization:
Master Alloy

ALLOY DESCRIPTION

A high-boron Master Alloy used for deoxidation, degassing, and microstructural refinement in the production of copper alloys, especially brass and bronzes.

CHEMICAL COMPOSITION (% WEIGHT)

Fe (%)	Si (%)	Al (%)	B (%)	Pb (%)	Sn (%)
max 0.1	max 0.15	max 0.1	1.6 - 2	max 0.02	max 0.02

MECHANICAL PROPERTIES (MIN.)

Unspecified

PHYSICAL PROPERTIES

- Density	8.80 [kg/dm ³]
Melting Temperature	~1080 [°C]
Elk. Conductivity	~40 - 50 [MS/m]
Elasticity Modulus	115 [kN/mm ²]

CASTING / MANUFACTURING METHODS

EK	Extrusion (Rod/Profile)
GS	sand casting
GM	Permanent mold casting
GZ	Centrifugal casting

AREAS OF APPLICATION

Deoxidation Additive

Casting Enhancer

Melting Processes

Microstructure Refiner

MACHINABILITY & CHARACTERISTICS

It acts as an alloying additive in metallurgical melting processes rather than as a mechanical or structural part. It prevents porosity in the casting structure and increases density.

The technical information specified in this document reflects the standard reference values of international EN and DIN norms. Deviations may be observed depending on final production conditions.

CORUM BRONZE

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