



# CEWELD CuSn12

**TYPE** Tin bronze alloy with high percentage of tin for virtually all welding procedures

**APPLICATIONS** Boilers and tubes out of copper or copper alloys, oven soldering etc.

**PROPERTIES** Very good deoxidization and high hardness similar to cast bronzes. Surfacing and joining of Copper and CuSn-Alloys. Widely used and recommended for oven soldering. High quality alloyed copper wire Sound, pore free deposits and good electrical conductivity. Good corrosion resistance against seawater. Excellent sliding properties (bearings etc.)

**CLASSIFICATION** EN ISO 24373: Cu 5410 / CuSn12P  
W.Nr. 2.1056

**SUITABLE FOR** Tin bronze alloy with high percentage of tin for virtually all welding procedures. Very good deoxidisation and high hardness similar to cast bronzes. Surfacing and joining of Copper and CuSn-alloys. Widely used and recommended for oven soldering.  
**Mat.n:** 2.1016, 2.1020, 2.1030, 2.1050, 2.1052, 2.1056, 2.1080, 2.1086, 2.1090  
CuSn8, CuSn7, CuSn6, CuSn4, G-CuSn10

**APPROVALS**

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

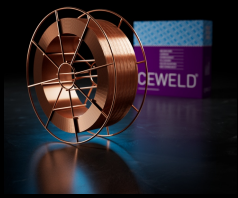
P	Cu	Zn	Pb	Sn
0.2	Rem.	0.02	0.01	12

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A5 (%)	Hardness
As Welded		350		120 HB

**REDRYING** Not required

**GAS ACC. EN ISO 14175** I1, I3



# CEWELD CuSn12

CUSN12 1,0MM

Packaging	KG/unit	EanCode
D-300	15	8720663408594

CUSN12 1,2MM

Packaging	KG/unit	EanCode
D-300	15	8720663408600