



# 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 |