
# CEWELD CuAl5Ni2

certilas® THE FILLER METAL SPECIALIST

TYPE

Copper aluminium nickel alloy for Mig welding and brazing

APPLICATIONS

Low alloyed aluminum bronze, particularly suitable for joint welds on ferritic and austenitic steels. Good flowing properties with good cover groove, also suitable for joint welds on steels and copper. For multiplayer welding on steels, pulsed arc welding is recommended. Amazing results are obtained on stainless steel sheet metal due to less heat input, higher travel speed and less cleaning hours. Containers, valve control chambers, exhaust parts, thin sheet welding (steel and specially stainless steel) Ship propellers, shipbuilding, pump building, shafts, guide grooves etc.

PROPRIÉTÉS

Sound, pore free deposits on ferrous and non-ferrous base materials with excellent wetting. Due to the excellent wetting and low melting point welding speeds can be achieved upto 2 mtr/min. The weld deposit offers a corrosion resistance similar to AISI 304.

CLASSIFICATION

| | |
|---|---|
| EN ISO | 24373: Cu 6161 / CuAl5Ni2Mn |
| F-nr | 36 |

CONVIENT POUR

W.Nrs: 2.0916,2.0920, 2.0928, 2.0932, 2.0936, 2.0940, 2.0960, 2.0962, 2.0966, 2.0970, 2.0978, 2.0980.

AGRÉMENTS

POSITIONS DE SOUDAGE


TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

| Mn | Al | Ni+Co |
|---|---|---|
| 0.5 | 5 | 1.8 |

PROPRIÉTÉS MÉCANIQUES

| Heat Treatment | $R_{P0,2}$ (MPa) | Rm (MPa) | A5 (%) | Impact Energy (J) ISO-V | Hardness |
|---|---|---|---|---|---|
| | | | | RT | |
| As Welded | | 353 | 45 | 161 | HRc |

ETUVAGE

Not required

GAS ACC. EN ISO 14175

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CUAL5NI2 1,0MM

| Packaging | KG/unit | EanCode |
|---|---|---|
| BS-300 | 15 | 8720663409140 |