COPPERFIL CUAL8

TOP FEATURES

- Used for welding galvanized steel sheets and components in the automobile industry.
- It is an iron-free aluminum bronze, which composition offers a very high resistance to sea water-corrosion and to the most commonly used acids in any concentrations and at a wide range of operating temperatures.
- High erosion resistance.

TYPICAL APPLICATIONS

- Automotive components
- Galvanized Steels

CLASSIFICATION

AWS A5.7	ER CuAl-A1
EN ISO 24373-A	S Cu 6100 (CuAl7)

SHIELDING GASES (ACC. EN ISO 14175)

I1	Inert gas Ar (100%)
I3	Inert gas Ar+ 0.5-95% He

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

Mn	Si	Ni	Cu	Fe	Al
0.2	0.1	0.7	Rest	0.4	8.0

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) +20°C	Hardness (HB)
Typical values	I1	AW	390-450	≥45	>80	80-100

* AW = As welded

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.0	SPOOL (BS300)	15.0	W000283249
1.2	SPOOL (BS300)	15.0	W000283253

TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application

Safety Data Sheets (SDS) are available here:

Subject to Change – The information is accurate to the best of our knowledge at the time of printing.
Please refer to www.lincolnelectric.eu for any updated information.