CUROD 70/30

TOP FEATURES

- Excellent corrosion resistance in saline solutions
- The nickel addition strengthens the weld metal and improves the corrosion resistance, particularly against salt water
- The weld metal has good hot and cold ductility

TYPICAL APPLICATIONS

- Desalination plants
- Evaporators, condensers
- Cladding

CLASSIFICATION

AWS A5.7	ER CuNi
EN ISO 24373-A	S Cu 7158 (CuNi30Mn1FeTi)

SHIELDING GASES (ACC. EN ISO 14175)

I1	Inert gas Ar (100%)

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

Mn	Si	Ni	Fe	Ti	Cu
0.9	0.2	30	0.5	0.3	Rest

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) +20 °C
Typical values	I1	AW	≥250	≥345	≥20	>150

* AW = As welded

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Weight (kg)	Item number
2.0	PE Tube	5.0	W000371881

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.