INERTROD 904L

TOP FEATURES

- Very good corrosion resistance to general, pitting and crevice corrosion as well as stress corrosion cracking.
- The impact toughness at low temperatures is excellent.
- Excellent inter-granular corrosion resistance.

TYPICAL APPLICATIONS

- Cryogenic Applications
- Non-magnetic applications

CLASSIFICATION

AWS A5.9	ER385
EN ISO 14343-A	W 20 25 5 Cu L

SHIELDING GASES (ACC. EN ISO 14175)

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

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

C	Mn	Si	P	S	Cr	Ni	Mo	Cu
0.020	1.9	0.4	≤0.020	≤0.020	20	25	4.5	1.5

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)	
						+20°C	-196°C
Typical values	I1	AW	≥410	≥560	≥35	≥80	≥32

* AW = As welded

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Weight (kg)	Item number
2.0	PE Tube	5.0	W000283505
2.4	PE Tube	5.0	W000283506

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.