

INERTROD 410NIMO

TOP FEATURES

- It contains less chromium and more nickel than standard 410 to eliminate ferrite in the microstructure due to the deleterious effect on mechanical properties

CLASSIFICATION

AWS A5.9 ER410NiMo*
EN ISO 14343-A W 13 4

* Nearest classification

SHIELDING GASES (ACC. EN ISO 14175)

I1 Inert gas Ar (100%)

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

C	Mn	Si	P	S	Cr	Ni	Mo
0.04	0.5	0.4	≤0.030	≤0.020	12.5	4	0.5

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) 20°C
I1	PWHT 600°C x 8h	≥550	≥760	≥15	≥50

*PWHT = Post Welding Heat Treatment

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Weight (kg)	Item number
2.0	PE Tube	5.0	W000283511

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.