FLUXINOX 316L

TOP FEATURES

- FLUXINOX 316L produces welds with high corrosion resistance due to low carbon and balanced chemical composition.
- High productivity generates savings in total welding costs. Optimal semiautomatic process with high duty cycle. Application of standard Ar/CO_2 or CO_2 shielding gases optimizes welding cost.
- The best quality of welds with standard CV power sources helps to reduce investment expenditures.
- Savings in total welding cost resulting from reduced cleaning. Spatter free welds with easy slag removal.
- Higher overall performance and weldability comparing to solid wires and manual stick electrodes.

CLASSIFICATION

AWS A5.22	E316LT0-1
	E316LT0-4
EN ISO 17633-A	T 19 12 3 L R M21 3
	T 19 12 3 L R C1 3
EN ISO 17633-B	TS316L-FB0

CURRENT TYPE

DC+

WELDING POSITIONS

Flat/Horizontal

SHIELDING GASES (ACC. EN ISO 14175)

C1	Active gas 100% CO_2
M21	Mixed gas Ar+ 15-25% CO_2

APPROVALS

LR	DNV	TÜV	DB
+	+	+	+

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, ALL WELD METAL

C	Mn	Si	Cr	Ni	Mo	Ferrite
≤0.04	1.7	0.6	19	12	2.8	5-10

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)	
						20°C	-110°C
Typical values	M21	AW	≥320	≥510	≥30	≥47	≥27

* AW = As welded

Gas test: 82% Ar + 18% CO_2

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.2	SPOOL (BS300)	15.0	W000281274

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.