

ER317L

TOP FEATURES

- Weld deposit similar to 316L with a high molybdenum content for increased corrosion resistance

TYPICAL APPLICATIONS

- Chemical and petrochemical industry

CLASSIFICATION

AWS A5.9M	ER 317, ER 317L
EN ISO 14343-A	W 19 13 4 L
EN ISO 14343-B	SS317, SS317L

SHIELDING GASES (ACC. EN ISO 14175)

I1	Inert gas Ar (100%)
----	---------------------

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL

	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	FN
Typical	0.015	1.5	0.4	0.01	0.02	19	14	3.5	0.15	5

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition	0.2% Proof strength (MPa)	Tensile strength (MPa)	Elongation (%) 4d	Impact ISO-V (J) +20°C
Required: AWS A5.9	AW	450	630	35	75

AW = As welded

AVAILABLE SIZES AND PACKAGING INFORMATION

Diameter x Length (mm)	Packaging	Weight (kg)	Item number
2.4	PE Tube	5.0	TER317L-24

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.