

LMN 304LSi

TOP FEATURES

- The low carbon reduces the propensity to intergranular carbide precipitation, which increases the resistance to intergranular corrosion without the use of stabilizers.
- The increased silicon content results in increased weld pool fluidity to give a smooth deposit appearance.
- Better weldability and appearance

TYPICAL APPLICATIONS

- Pipework
- Plates fabrication
- Vessel construction
- Cladding

CLASSIFICATION

AWS A5.9	ER308LSi
EN ISO 14343-A	G 19 9 LSi

SHIELDING GASES (ACC. EN ISO 14175)

M12	Mixed gas Ar+ 0.5-5% CO ₂
M13	Mixed gas Ar+ 0.5-3% O ₂

APPROVALS

DNV	TÜV	DB	CE
+	+	+	+

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

C	Mn	Si	Cr	Ni	Mo
0.02	1.9	0.8	20	10	0.1

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	0.2% Proof strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)	
						+20°C	-40°C
Typical values	M12	AW	394	568	40	85	41

* AW = As welded

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
0.8	SPOOL (S200)	5.0	581381
	SPOOL (BS300)	15.0	581386
1.0	SPOOL (S200)	5.0	581391
	SPOOL (BS300)	15.0	581393
	DRUM	250.0	581287
1.2	SPOOL (BS300)	15.0	581409
	DRUM	250.0	581362
1.6	SPOOL (BS300)	15.0	581416

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.