SUPRANOX RS 316L

TOP FEATURES

- Easy arc striking and restriking.
- Suitable for use with either AC [minimum OCV 50V] or DC positive.
- Efficiency 100%.

CLASSIFICATION

AWS A5.4	E316L-16
EN ISO 3581-A	E 19 12 3 L R 12

CURRENT TYPE

AC, DC+

WELDING POSITIONS

All position, except vertical down

APPROVALS

LR	DNV	RINA	TÜV
+	+	+	+

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

C	Mn	Si	P	S	Cr	Ni	Mo	Ferrite
0.035	0.9	0.8	≤0.025	≤0.025	19.0	12.0	2.6	5-10

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	0.2% Proof strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) +20°C
AWS A5.4	AW	not specified	≥480	≥30	not specified
EN ISO 3581-A	AW	≥320	≥510	≥25	not specified
Typical values	AW	460	580	43	68

* AW = As welded

OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
2.0 x 300	30-60
2.5 x 300	55-80
3.2 x 350	70-110
4.0 x 350	120-140
5.0 x 350	145-180

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
2.0 x 300	VPMD	150	1.7	W000277026
2.5 x 300	VPMD	90	1.7	W000277027
3.2 x 350	VPMD	55	2.0	W000277028
4.0 x 350	VPMD	40	2.1	W000277029
5.0 x 350	VPMD	20	1.7	W000277030

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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.