

SUPRANEL 182

TOP FEATURES

- Excellent weldability.
- Smooth and stable arc
- Very good slag removal.

CLASSIFICATION

AWS A5.11ENiCrFe-3

EN ISO 14172-AE Ni 6182

CURRENT TYPE

DC+

WELDING POSITIONS

All position, except vertical down

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

C	Mn	Si	Cr	Ni	Nb	S	Fe
0.025	5.5	0.4	16	Rem.	2.0	0.01	6.5

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	0.2% Proof strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) -196°C
AWS A5.11	AW	not specified	≥550	≥30	not specified
ISO 14172	AW	≥360	≥550	≥27	not specified
Typical values	AW	400	630	40	125

* AW = As welded

OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
2.5x300	50-70
3.2x300	75-95
4.0x350	100-130
5.0x350	140-170

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
2.5 x 300	VPMD	100	1.8	W100380270
3.2 x 300	VPMD	65	1.9	W100380271
4.0 x 350	VPMD	45	2.2	W100380272

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.