

# ALIN 92

## TOP FEATURES

- MMA electrode with a basic flux system on a nearly matching core wire designed to give radiographically sound weld metal.
- Good weldability in all position including pipework in the ASME 5G/6G positions.
- Recovery is about 110% with respect to core wire, 65% with respect to whole electrode.

## CLASSIFICATION

AWS A5.11 ENiCrFe-2  
EN ISO 14172-A E Ni 6133

## CURRENT TYPE

DC+

## WELDING POSITIONS

All positions

## APPROVALS

ABS	BV	CE
+	+	+

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

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Fe	Cu	Co*	Ta*
0.05	2.8	0.5	0.01	0.01	16	bal.	1.5	2	8	0.05	0.05	0.05

\* Co and Ta maximums only when specified at time of order.

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Required	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)		Impact ISO-V (J) -196°C
				4d	5d	
AWS A5.11	AW	not specified	≥550	≥30	not specified	not specified
EN ISO 14172-A	AW	≥360	≥550	not specified	≥27	not specified
Typical values	AW	≥420	~700	≥42	≥39	110

\*AW: As-welded

## OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
2.5 x 300	50-70
3.2 x 350	70-95

## PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
2.5 x 300	VPMD	105	1.9	W100258751
3.2 x 350	VPMD	65	1.9	W100258752

### 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.  
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