

SAFER NF 58

TOP FEATURES

- Very low diffusible hydrogen content, high impact toughness down to - 50°C and CTOD tested.
- Weld metal recovery: ~120%.
- DC and AC welding current.

CLASSIFICATION

AWS A5.1 E7018-1 H4
EN ISO 2560-A E 42 5 B 32 H5

CURRENT TYPE

AC, DC+

WELDING POSITIONS

All position, except vertical down

APPROVALS

ABS	LR	BV	DNV	TÜV	DB	CE
+	+	+	+	+	+	+

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

C	Mn	Si	P	S
0.07	1.4	0.3	≤0.025	≤0.02

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Required	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation	Impact ISO-V (J)		
					-30°C	-46°C	-50°C
AWS A5.1	AW	≥400	≥490	≥22	≥27	≥27	not specified
EN ISO 2560-A	AW	≥420	500-640	≥20	not specified	not specified	≥47
Typical values	AW	≥430	510-640	≥22	≥27	≥27	≥50

*AW: As-welded

OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
2.5 x 350	65-105
3.2 x 350	90-140
3.2 x 450	90-140
4.0 x 450	135-180
5.0 x 450	170-230

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
2.5 x 350	VPMD	100	2.0	W000258620
3.2 x 350	VPMD	55	1.9	W000258621
3.2 x 450	VPMD	55	2.5	W000258622
4.0 x 450	VPMD	40	2.6	W000258624
5.0 x 450	VPMD	25	2.6	W000258625

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.