

# SAFER NF 58

## TOP FEATURES

- Very low diffusible hydrogen content, high impact toughness down to - 50°C and CTOD tested
- Recovery about 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 positions, 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	-
EN ISO 2560-A	AW	≥420	500-640	≥20	-	-	≥47
Typical values	AW	≥430	510-640	≥22	≥27	≥27	≥50

AW: As-welded

- = not specified

## OPERATING CURRENT RANGE

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

## AVAILABLE SIZES AND PACKAGING INFORMATION

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
2.5 x 350	VPMD	90	2.0	W000258620
3.2 x 450	VPMD	55	2.5	W000258622
4.0 x 450	VPMD	38	2.6	W000258624
5.0 x 450	VPMD	26	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.  
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