

SUPERBAZ

TOP FEATURES

- The weld metal diffusible hydrogen content conforms to low hydrogen, < 5 ml/100g deposited weld metal.
- Impact toughness down to - 40 °C.
- Weld metal recovery:~120%.

CLASSIFICATION

AWS A5.1 E7018 H4
EN ISO 2560-A E 42 4 B 42 H5

CURRENT TYPE

DC-, 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
0.08	1.1	0.45	≤0.025	≤0.015

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)	
					-30°C	-40°C
AWS A5.1	AW	≥400	≥490	≥22	≥27	not specified
EN ISO 2560-A	AW	≥420	500-640	≥20	not specified	≥47
Typical values	AW	≥430	510-610	≥24	≥27	≥70
Typical values	PWHT 600°C x 1h	≥420	≥500	≥22	≥27	≥70

*AW: As-welded; PWHT: Postweld Heat Treatment

OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
2.5 x 350	65-90
3.2 x 350	120-140
3.2 x 450	120-140
4.0 x 350	160-190
4.0 x 450	160-190
5.0 x 450	210-230

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
2.5 x 350	VPMD	85	1.9	W000383266
	CBOX	180	4.0	W000288306
3.2 x 350	CBOX	112	4.0	W000288307
3.2 x 450	VPMD	55	2.6	W000383267
	CBOX	117	5.5	W000288308
4.0 x 350	CBOX	79	4.0	W000288309
4.0 x 450	CBOX	81	5.5	W000288310
5.0 x 450	CBOX	55	5.5	W000288311

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.