

# TENAX 56S

## TOP FEATURES

- Excellent impact at - 50°C.
- Excellent penetration and stable arc.
- Efficiency 100%.

## CLASSIFICATION

AWS A5.1 E7016-1 H4  
EN ISO 2560-A E 42 5 B 12 H5

## CURRENT TYPE

AC, DC-, DC+

## WELDING POSITIONS

All positions

## APPROVALS

LR	RINA	TÜV
+	+	+

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

C	Mn	Si	P	S
0.06	1.2	0.5	≤0.02	≤0.02

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) -47/-50°C
AWS A5.1	AW	≥400	≥490	≥22	≥27
EN ISO 2560-A	AW	≥420	500-640	≥20	≥47
Typical values	AW	490	590	28	180
	PWHT 620°C x 1h	420	620	22	110

\* AW = As welded, PWHT = Post Weld Heat Treatment

## OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
2.5x350	60-90
3.2x350	80-130
3.2x450	80-120
4.0x350	125-170
4.0x450	125-170
5.0x450	170-240

## PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
2.5 x 350	VPMD	110	2.1	W000372210
3.2 x 350	VPMD	65	2.0	W000372209
3.2 x 450	VPMD	65	2.6	W000287512
4.0 x 350	VPMD	45	2.1	W000287513

## 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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