

HAS® C276

TOP FEATURES

- Niobium free
- For aggressive oxidising media

CLASSIFICATION

AWS A5.14	ERNiCrMo-4
EN ISO 18274-A	S Ni6276

SHIELDING GASES (ACC. EN ISO 14175)

I1	Inert gas Ar (100%)
I3	Inert gas Ar+ 0.5-95% He

CHEMICAL COMPOSITION (WEIGHT %), WIRE

	C	Mn	Si	S	P	Cr	Ni	Mo	W	Fe	V	Cu
Min.						14.5	bal.	15.0	3.0	4.0		
Max.	0.02	1.0	0.08	0.015	0.020	16.5		17.0	4.5	7.0	0.3	0.50
Typical	0.005	0.5	0.05	0.005	0.01	16	58	16	3.5	6	0.2	0.05

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Typical values as welded	Min.	TIG	SAW
Tensile strength (MPa)	700	740	710
0.2% Proof strength (MPa)	400	500	470
Elongation (%) 4d		46	38
	5d	30	36
Reduction of area (%)		50	48

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.0	SPOOL (S300)	15.0	MHASC276-10
1.2	SPOOL (S300)	15.0	MHASC276-12

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.