

308S96 SAW

CLASSIFICATION

AWS A5.9M	ER308H
EN ISO 14343-A	19 9 H
EN ISO 14343-B	5S308H

CHEMICAL COMPOSITION (WEIGHT %), WIRE

	C	Mn	Si	S	P	Cr	Ni	Mo	Cu
Min.	0.04	1.0	0.30			19.5	9.0		
Max.	0.08	2.0	0.65	0.020	0.030	20.5	10.0	0.25	0.25
Typical	0.05	1.8	0.4	0.002	0.015	19.9	9.5	0.1	0.1

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

As welded	Typical
Tensile strength (MPa)	630
0.2% Proof strength (MPa)	450
Elongation (%) 4d	43
Impact ISO-V (J) +20 °C	> 100
Hardness (HV)	195/215

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
2.4	SPOOL	25.0	SA308S96-24
3.2	SPOOL	25.0	SA308S96-32

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.