

9CrMo SAW

TOP FEATURES

- Solid SAW wire for 9%Cr-1%Mo martensitic alloy for elevated temperature service up to 600°C
- Designed for high strength and improved corrosion resistance with hot hydrogen gas, super-heated steam, and Sulphur crude oil
- Weld metal chemistry is low in impurity elements allowing it to respect the X Factor (<120ppm)

CLASSIFICATION

AWS A5.23M	EB8
EN ISO 24598-A	S S CRM09

TYPICAL APPLICATIONS

- Heat Exchangers
- Piping
- Pressure vessels
- Oil Refineries
- Boiler superheater tubing

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

	C	Mn*	Si	S	P	Cr	Ni	Mo	Cu
Typical	0.07	0.5	0.4	0.01	0.015	9.0	0.1	0.9	0.1

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Typical values after 745°C/1h:		Min.
Tensile strength	(MPa)	590
0.2% Proof strength	(MPa)	435
Elongation (%)	4d	17
	5d	18
Impact ISO-V (J)	+20°C	34

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
2.4	SPOOL	25.0	SA9CRMO-24

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.