9CrWV SAW

CLASSIFICATION

AWS A5.23	EG
EN ISO 24598-A	S S ZCrMoWVNb 9 0.5 1.5

CURRENT TYPE

DC+

CHEMICAL COMPOSITION (WEIGHT %), WIRE

	C	Mn*	Si	S	P	Cr	Ni*	Mo	W	Nb	V	N	B	Al	Cu
Min.	0.10	0.40	0.30			8.0		0.30	1.50	0.04	0.15	0.03	0.001		
Max.	0.12	0.60	0.50	0.01	0.01	9.5	0.40	0.60	2.00	0.07	0.25	0.07	0.005	0.03	0.15
Typical	0.11	0.5	0.40	0.004	0.008	9.2	0.35	0.45	1.7	0.05	0.2	0.05	0.003	<0.01	<0.05

* Mn+Ni ≤ 1.0%

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

PWHT 760°C/4h		Min.	Typical
Tensile strength	**(MPa)**	620	710
0.2% Proof strength	**(MPa)**	440	580
Elongation (%)	**4d**	16	24
	5d		22
Reduction of area (%)			70
Impact ISO-V (J)	**+20°C**		45
Hardness (HV)	**(mid)**		230

PWHT = Post Weld Heat Treatment

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
2.4	SPOOL	25.0	SA9CRWV-24
3.2	SPOOL	25.0	SA9CRWV-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.