

# Chromet® 10MW

## TOP FEATURES

- MMA electrode with a basic low hydrogen flux system made on high purity steel core wire
- The electrode is all-positional with a moisture resistant coating giving very low weld metal hydrogen levels.
- Recovery is about 120%

## TYPICAL APPLICATIONS

- Components in fossil fuelled power generating plants
- Oil refineries and coal liquefaction and gasification plants.

## CLASSIFICATION

AWS A5.5 E9018-G H4 (E911)

## CURRENT TYPE

DC+/AC

## WELDING POSITIONS

All position, except vertical down

## CHEMICAL COMPOSITION (WEIGHT %), WELD METAL

	C	Mn	Si	S	P	Cr	Ni	Mo	W	Nb	V	N	Al
Min.	0.08	0.50	0.15	not specified	not specified	9.0	0.40	0.85	0.85	0.04	0.18	0.03	not specified
Max.	0.14	1.20	0.50	0.015	0.02	10.5	0.80	1.2	1.2	0.08	0.25	0.07	0.02
Typical	0.11	0.8	0.30	0.008	0.010	9.5	0.5	1.0	1.0	0.05	0.22	0.05	0.01

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Properties after PWHT		Typical (730°C/12h)
Tensile strength (MPa)		760
0.2% Proof strength (MPa)		620
Elongation (%) 4d		20
5d		19
Reduction of area (%)		62
Impact ISO-V (J) + 20 °C		60
Hardness (HV)		250

## OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
3.2 x 350	80-130
4.0 x 450	100-170
5.0 x 450	140-240

## PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
3.2 x 350	CAN	110	4.1	CH10MW-32-1
4.0 x 450	CAN	69	5.1	CH10MW-40-1
5.0 x 450	CAN	45	5.2	CH10MW-50-1

## 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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