

CHROMET 9MV

CHROMET 9MV is designed for welding equivalent "Type 91" 9CrMo steels modified with additions of Niobium, Vanadium and Nitrogen to give improved long term creep properties.



CLASSIFICATIONS

AWS A5.5 E9015-B9

CHEMICAL ANALYSIS (TYPICAL)

% Carbon	0.10	% Nickel	0.08
% Manganese	1.00	% Vanadium	0.20
% Silicon	0.25	% Nitrogen	0.05
% Sulphur	0.008	% Copper	0.05
% Phosphorous	0.008	% Tin	0.05
% Chromium	9.00	% Niobium	0.08
% Molybdenum	1.00		

**TYPICAL MECHANICAL PROPERTIES
(ALL WELD METAL IN THE AS
WELDED CONDITION)**

	PWHT 760°C/2-8h	PWHT 550°C	PWHT 600°C	PWHT 650°C
2% Proof Stress	550 MPa	427 MPa	342 MPa	242 MPa
Tensile Strength	750 MPa	497 MPa	418 MPa	330 MPa
Elongation 5d	19%	16%	20%	23%
Charpy V-Notch at +20°C	<30J	-	-	-
Lateral Expansion +20°C	<0.38J	-	-	-
Hardness HV as welded 300-320HV	<260	-	-	-

PACKING DATA

DC+

Diameter (mm)	Electrode Length (mm)	Amps	Item Number	Pack Mass (Kg)
3.2	380	80 - 140	078-364	3 x 5
4.0	450	100 - 180	078-366	3 x 5.8

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