

CHROMET 9



CHROMET 9 is designed for prolonged elevated temperature service up to 600°C. The electrode deposits a weld metal containing 9.0% Cr and 1.0% Mo with a reasonable degree of corrosion resistance in superheated steam, hot Hydrogen gas and high sulphur crude oils and is used where higher performance than the 5% Cr 0.5% Mo alloys are required.

CLASSIFICATIONS

AWS	A5.5	E9015-B8
AWS	A5.4	E505-15
BS EN	1599	ECrMo 9 B32 H5
DIN	8575	EcrMo 9 B 2 6

CHEMICAL ANALYSIS (TYPICAL)

% Carbon	0.06	% Chromium	9.00
% Manganese	0.70	% Molybdenum	1.00
% Silicon	0.30	% Copper	<0.05
% Sulphur	0.012	% Nickel	0.20
% Phosphorous	0.015		

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

	PWHT 740°C/2h	PWHT 746°C/3h
2% Proof Stress	600 MPa	550 MPa
Tensile Strength	710 MPa	680 MPa
Elongation 5d	20%	25%
Charpy V-Notch at +20°C	90J	130J
Charpy V-Notch at 0°C	50J	-
Charpy V-Notch at -10°C	25J	90J
Hardness HV as welded 300-320HV	235	220

PACKING DATA

DC+

Diameter (mm)	Electrode Length (mm)	Amps	Item Number	Pack Mass (Kg)
3.2	380	80 - 140	078-336	3 x 5
4.0	450	100 - 180	078-338	3 x 5.8

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