

PRODUCT DATA SHEET

Metrode 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
EN	3580-A	E Cr Mo9 B H5
EN	3580-B	E6215-9CIM H5

Typical Chemical Analysis

% Carbon	0,06	% Chromium	9,0
% Manganese	0,75	% Molybdenum	1,0
% Silicon	0,35	% Copper	<0,05
% Sulphur	0,012	% Nickel	0,2
% Phosphorous	0,015		

Typical Mechanical Properties

(All weld metal in the stress relieved condition)

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

Packing Data (DC+)

Diameter (mm)	Current (A)	Electrode Length (mm)	Pack Mass (kg)	Item Number
2,5	70 - 110	350	3 x 3,9	W078334
3,2	80 - 140	380	3 x 5,0	W078336
4,0	100 - 180	150	3 x 5,8	W078338

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