

# PRODUCT DATA SHEET

## Metrode Chromet 9MV-N



Chromet 9MV-N 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
EN	3580-A	E Cr Mo91 B H5
EN	3580-B	E6215-9CIMV H5

### Typical Chemical Analysis

% Carbon	0,1	% Nickel	0,7
% Manganese	0,6	% Vanadium	0,2
% Silicon	0,25	% Nitrogen	0,05
% Sulphur	0,008	% Copper	0,05
% Phosphorous	0,01	% Tin	0,003
% Chromium	9,0	% Niobium	0,05
% Molybdenum	1,0	% Ni + Mn	1,3

### Typical Mechanical Properties (All weld metal in the stress relieved condition)

	PWHT 755°C/3 hr	PWHT 550°C/3 hr	PWHT 600°C/3 hr	PWHT 650°C/3 hr
0,2% Proof Stress	640 MPa	>360 MPa	>255 MPa	175 MPa
Tensile Strength	770 MPa	>450 MPa	>375 MPa	>285 MPa
% Elongation on 5d	19	>15	>17	>21
Charpy V-Notch at +20°C	65 J	-	-	-
Lateral Expansion +20°C	1,0 mm	-	-	-
Hardness HV As Welded 450 HV	250	-	-	-

### Packing Data (DC+)

Diameter (mm)	Electrode Length (mm)	Current (A)	Pack Mass (kg)	Item Number
3,2	380	80 - 140	3 x 5,0	W078366

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