

PRODUCT DATA SHEET

Metrode Chromet 2L



Chromet 2L is designed for prolonged elevated temperature service up to 600°C. Main areas of application are associated with steam generating power plant, e.g. piping, turbine castings, steam chests, valve bodies and boiler superheaters. Some of the consumables will also find service in refineries where they are used for corrosion resistance to sulphur bearing crude oil at 250-450°C. Some of the consumables will also find applications in the chemical and petrochemical industries where they are used for resistance to hydrogen attack in the fabrication of hydro-crackers, coal liquefaction plant and NH₃ pressure vessels operating at up to 450°C. In the as welded condition, the consumables also provide a useful source of 300 HV hardness weld deposit for build-up or hardsurfacing to resist metal-to-metal wear and heavy impact.

Classifications		
WS	A5.5	E8015-B3L
EN	3580-A	E Cr Mo2 L B H5
EN	3580-B	E5515-2CML H5

Typical Chemical Analysis			
% Carbon	0,04	% Phosphorous	0,015
% Manganese	0,8	% Chromium	2,25
% Silicon	0,3	% Molybdenum	1,05
% Sulphur	0,025 max	% Copper	<0,1

Typical Mechanical Properties (All weld metal in the stress relieved condition)	
PWHT 690°C/1 hr	
Tensile Strength	630 MPa
0,2% Proof Strength	540 MPa
% Elongation on 4d	24
Impact Energy at +20°C	160 J
Impact Energy at -10°C	90 J

Packing Data (DC+ AC 70 OCV min)			
Diameter (mm)	Current (A)	Pack Mass (kg)	Item Number
2,5	70 - 110	4,0	W078288
3,2	80 - 140	5,0	W078290
4,0	100 - 180	5,8	W078292

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