

VALIANT

VALIANTTHERM-8018-G

AWS:A5.1 :E8018G IS : E 55BG 129Fe

A low hydrogen type electrode depositing a radiographic quality weld metal with 1 Cr-0.5 Mo - 0.20 V. Ideally suitable for welding of steel of similar composition.

CHEMICAL COMPOSITION

C	Mn	Si	Ni	S	P
0.08	1.40	0.40	0.85	0.02	0.024

MECHANICAL PROPERTIES

UTS (Kg/mm ²)	YS (Kg/mm ²)	EI (L = 4D)%	CVN Impact strength at RT 142 J Creep strength at 525°C
57.4	50.8	24.0	12.5

WELDING PARAMETERS

	Size (mm)	Current (Amp.)
AC/DC (-)	5.00 X 450	180-240
	4.00 X 450	140-180
	3.15 X 450	110-140
	2.50 X 350	70-100

APPLICATION

Typical applications include boilers, pressure vessels, pipes and tubes of similar composition.

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