

VALIANT

VALIANTTHERM - 7018 - AI

AWS:A5.1 :E7018A1 IS: E 49BA 126Fe

Valianttherm - 7018 - AI is a low hydrogen iron powder type electrode yielding a weld deposit containing 0.5% Mo. Ideal for welding creep resistant carbonmoly steels for service temperature upto 525°C.

CHEMICAL COMPOSITION

C	Mn	Si	Mo
0.06	0.85	0.42	0.52

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
54	48	28	12.5

WELDING PARAMETERS

	Size (mm)	Current (Amp.)
AC/DC (-)	5.00 X 450	180-260
	4.00 X 450	140-180
	3.15 X 450	110-140
	2.50 X 350	90-100

APPLICATION

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

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