

VALIANT

VALIANTTHERM - 7018

AWS:A5.1 :E7018 IS : EB 5426 H₃JX

valianttherm - 7018 is a heavy coated ,low Hydrogen, iron powder type electrodes ideally suited for producing tough and ductile welds of radiographic quality in boilers, pressure vessels, and heavy structures subjected to dynamic loading. The electrode posses metal recovery of about 110%.

CHEMICAL COMPOSITION

C	Mn	Si
0.06	1.02	0.44

MECHANICAL PROPERTIES

UTS (Kg/mm ²)	YS (Kg/mm ²)	EI (L = 4D)%	CVN Impac strength at (Joules) 30°C
53.0	45.0	27.0	60 J

WELDING PARAMETERS

	Size (mm)	Current (Amp.)
AC/DC (-)	5.00 X 450	180-260
	4.00 X 450	140-180
	3.15 X 450	100-140
	2.50 X 350	80-100

APPLICATION

Some typical applications include heavy structures subjected to dynamic loading and impact, highly restrained joints, coaches, wagons, penstocks, boilers, pressure vessels, earthmoving machines etc.

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