

VALIANT

VALIANTTHERM - 7016

AWS:A5.1 :E7016 IS : EB 5426 H₃X

Valianttherm - 7016 is a medium Coated basic type hydrogen controlled electrode producing a tough, ductile weld metal for welding heavy sections in mild steel medium high tensile steels, subjected to dynamic loading. Also suited for cast steels, difficult steels of unknown composition and for non machinable deposits can cast iron.

CHEMICAL COMPOSITION

C	Mn	Si
0.08	1.15	0.54

MECHANICAL PROPERTIES

UTS (Kg/mm ²)	YS (Kg/mm ²)	EI (L = 4D)%	CVN Impac strength at (Joules) 20°c
56.4	48.2	27	60 - 30°c

WELDING PARAMETERS

	Size (mm)	Current (Amp.)
AC/DC (-)	6.30 X 450	240-320
	5.00 X 450	190-240
	4.00 X 450	140-200
	3.15 X 450	90-140
	2.50 X 350	70-100

APPLICATION

Typical applications includes coaches, ships, heavy duty structures, earth moving machinery, rotatory kiln shells, cast irons etc.

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