

# VALIANT

## VALIANT NI 70

AWS:A5.11:E Ni Cr Fe 3

A basic coated nickel alloy electrode producing inconel weld deposit. Electrode exhibits excellent results while welding 5% and 9% Ni steels, inconel steels under low temp.

### Chemical Composition

C	Mn	Si	Cr	Ni	Fe	Cb
0.04	06.0	0.42	15.60	Balance	7.0	1.40

### Mechanical Properties

UTS (Kg/mm <sup>2</sup> )	EI (L = 4D )%
59.0	34.0

### Welding Parameters

	Size (mm)	Current (Amp.)
AC/DC (-)	4.00 X 350	140-170
	3.15 X 350	100-130
	2.50 X 350	80-100

### Application

Suitable to weld dissimilar materials joining Ni based steel to themselves. Welding joints where creep and oxidation resistance properties are desired at elevated temp.

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