

VALIANT

VALIANT NI 65

AWS:A5.11:E Ni Cr Fe 2

A high nickel alloy electrode specially designed to resist crack, oxidation and corrosion. Equally provides high strength at elevated temperature gives smooth arc, excellent operating characteristics, easy slag detach ability.

CHEMICAL COMPOSITION

C	Mn	Si	Cr	Ni	Mo	Fe	Cb
0.04	2.5	0.40	15.0	Balance	1.50	7.0	1.5

MECHANICAL PROPERTIES

UTS (Kg/mm ²)	EI (L = 4D)%
59.0	35.0

WELDING PARAMETERS

	Size (mm)	Current (Amp.)
AC/DC (-)	4.00 X 350	140-170
	3.15 X 350	100-130
	2.50 X 350	70-100

APPLICATION

Suitable to weld dissimilar materials viz carbon steel, stainless steel. Ni and Ni based alloys, have excellent applications at elevated temp, with properties coupled with creep resistance and oxidation resistance.

INDIA

Decolite Industries
73, Pologround,
Industrial Estate
Indore, M.P. 452015, India

UAE

Blasting Equipments and Abrasive Trading
Ras Al Khaimah, UAE
Tel: +97-1-552875841, +97-1-552875840
E mail: info@valiantweld.com

E-mail

mkt@valiantweld.com
robin@sptwelding.com



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