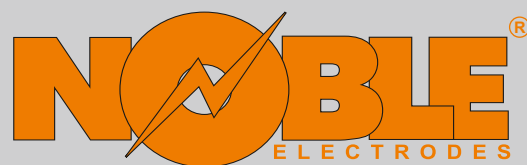


NOBLE - 316L

Stainless Steel Electrodes



CLASSIFICATION

AWS - A5.4: E316 L- 16

Characteristics : **NOBLE - 316L** is an extra low carbon 18-12-2 (Cr-Ni-Mo) stainless, rutile type electrode with controlled ferrite content Maximum up to 8% for Maximum resistance to cracking. It gives good resistance to pitting corrosion and high temperature up to 850°C. The weld metal is of radiographic quality and gives good creep strength.

Applications : **NOBLE - 316L** is suitable for the welding of stainless steel types AISI 316, 317 & of similar composition with low carbon content. It is used in fabrication of tanks, vessels, machinery for pulp, paper and textile industries, pharmaceutical equipments, plants & machinery for paint and dye. It is used in the equipments where highly corrosive acids are used.

Mechanical Properties

Mechanical Tests	AWS Specifications
Tensile Strength	490 N/mm ² (Min.)
Elongation	30 % (Min.)

*If Moist: Re-dry at 250°C For 1 Hr.

Weld Metal Chemistry (%)

Elements	C	Mn	Si	P	S	Ni	Cr	Mo
Range	0.04 Max	2.5 Max	0.90 Max	0.04 Max	0.03 Max	11 - 14	17 - 20	2.0 - 2.5

Packing Specifications & Current Condition :

Size (mm)	Pkts. / Case	Wt. / Pkt	Current (Amp.) AC (70V) DC (+)
2.00 x 350	05	2 Kg.	35 - 55
2.50 x 350	05	2 Kg.	65 - 90
3.15 x 350	05	2 Kg.	80 - 100
4.00 x 350	05	2 Kg.	100 - 135

“Noble – Characterized by all Excellent Qualities”