NOBLE - ER316L

Stainless Steel MIG Wire

CLASSIFICATION	AWS - A5.9: ER316L

Characteristics : **NOBLE - ER316L**(MIG wire) is austenitic stainless steel low carbon MIG welding wire of 18% Cr, 12% Ni and 2% Mo. The weld metal contains ferrite and resistance to crack is extremely good. Low carbon assists austenitic arc stability and improves corrosion resistance such as intergranular type. The mechanical properties of the weld are good.

Applications : The molybdenum of the welding wire improves the resistance of pitting corrosion, particularly in chloride solutions and the low carbon grades further improves resistance to intergranular corrosion. Suitable for welding SS316L, SS318 grades. The weld metal is recommended for high temperature service up to 350°C.

Chemistry of Wire (%)

Elements	C	Cr	Ni	Mo	Mn	Si	P	S	Cu
Range	0.03 Max	18-20	11-14	2.0-3.0	1.00-2.50	0.30-0.65	0.03 Max	0.03 Max	0.75 Max

Shielding gas: 100% Ar or Ar+ 2%O_2

Operating conditions & Packing Specifications

Size (mm)	Current (Amp.) DC (+)	Voltage (V)	Spool Packing
0.80	70 - 220	16 - 24	12.500 Kg.
1.20	150 - 300	24 - 34	12.500 Kg.
1.60	150 - 350	28 - 36	12.500 Kg.

"Noble – Characterized by all Excellent Qualities"