316L FILLER METAL (GMAW)

STAINLESS STEEL FILLER METAL TYPE 316L (18% CHROMIUM, 11% DE NICKEL AND 2.8% MOLYBDENUM)
ITS MOLYBDENUM CONTENT INCREASES CORROSION RESISTANCE TO ORGANIC ACIDS

CLASSIFICATION A.W.S: ER-316L

IDENTIFICATION:13.630 Kg. REELS

APPLICATIONS: To weld tanks and vessels in the chemical industry, in the paper and food processing industries, in chemical mixing units, hydraulic turbines, heat exchangers, pipes, heat resistant cast iron parts, valves and evaporators.

CHARACTERISTICS AND PROCEDURE: It is a molybdenum stabilized wire with a low carbon content. It is ideal to weld acid resistant steel in the chemical industry. Stainless steel austenitic filler metal has a 2.8% Molybdenum content. It is suitable to weld stainless steel 316, 317, 318 as well as 301, 302, 304, 308, 410 and 430. It is resistant to intercrystalline corrosion at temperatures up to 400°C. It is recommended to be used in GMAW process. It is a microwire to be used in automatic systems with a feeder device. It is supplied in 13.620 Kg reels with diameters of either 0.035" or 0.045".

TENSILE RESISTANCE:	5,976 KG./CM2 (85,848 PSI)
ELONGATION:	40 %
CURRENT:	M.I.G.PROCESS

FILLER METAL CHEMICAL ANALYSIS %					
C	**Mn**	**Si**	**Cr**	**Ni**	**Mo**
0.02	0.71	0.75	19.5	10.5	2.8