

316L FILLER METAL(GTAW)

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

CLASSIFICATION A.W.S: ER-316L

IDENTIFICATION: BUNDLE

APPLICATIONS: It is intended 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 electrode with a low carbon content. It is ideal to weld on acid resistant steel in the chemical industry. Stainless steel austenitic filler metal has a 2.8% Molybdenum content. It is intended to be used with stainless steel types 316, 317 and 318 and also with lesser degree alloys like types 301, 302, 304, 308, 410 and 430. It is intercrystalline corrosion resistant up to 400°C. It is suitable for TIG process using Argon or a gas mixture as the shielding gas. It is supplied in 5 Kg. bundles, 36 inches long, with diameters of either 1/16", 3/32", 1/8" or 5/32". This electrode is also manufactured as microwire in 13.620 Kg. reels with diameters of either 0.035" or 0.045" to be used in GMAW process

TENSILE RESISTANCE:	5,976 KG./CM2 (85,848 PSI)
TENSILE RESISTANCE::	40 %
CURRENT:	TIG PROCESS

FILLER METAL CHEMICAL ANALYSIS %					
C	Mn	Si	Cr	Ni	Mo
0.02	0.71	0.75	19.5	10.5	2.80