WI **SG 316 L**

Stainless Steel Gas Shielded Welding Rod

CLASSIFICATIONS

EN ISO 14343-A : W Z 19 12 3 L
AWS A5.9 : ER 316 L

DESCRIPTION

- TIG welding of 13% Cr ferritic stainless steels, high-carbon or stabilized steels of type 316, low-carbon stainless steels of type 316 L, all of which are used in machinery and equipment parts at production plants for food, chemical, drug textile and similar kinds of industries
- As shielding gas, Argon (Ar) is used
- Maintenance of resistance to intergranular corrosion at temperature valves up to 400°C.
- Resistance to low temperatures varying at values down to -196°C

CHEMICAL ANALYSIS OF WELD METAL % *(TYPICAL)*

C: 0.02 | Si: 0.5 | Mn: 1.6 | Mo: 2.2 | Cr: 18.5 | Ni: 11.5

MECHANICAL PROPERTIES

Yield Strength (MPa)	**Tensile Strength** (MPa)	**Impact Strength** (ISO-V/+20°C)	**Elongation** (L_o=5d_o) (%)
min. 420	570 - 700	min. 63 J	min. 30

BASE MATERIALS

- X2 CrNiMo 1814 3, XS CrNiMo 1713 3, X2 CrNiMo 1713 2, XS CrNiMoTi 1712 2, X6 CrNiMoTi 1712 2, X6 CrNiMoNb 1712 2, X2 CrNiMoN 1713 3, X2 CrNiMoN 1712 2
- AISI: 316, 316L, 316Cb, 316Ti

WELDING POSITIONS

CURRENT CONDITION

TIG D.C.(-)

OPERATING DATA

Product Code	**Diameter x Length** (mm) / (inch)		**Weight** (Kg)	**Package Type**
1011100049	1,60 x 1000	1/16 x 39”	5	Plastic Box
1011100050	2,00 x 1000	5/64 x 39”	5	Plastic Box
1011100051	2,40 x 1000	3/32 x 39”	5	Plastic Box