WI **SG 307**

Stainless Steel Gas Shielded Welding Wire & Rod

CLASSIFICATIONS

EN ISO 14343-A : G 18 8 Mn
EN ISO 14343-A : W 18 8 Mn
AWS A5.9 : ~ER 307

DESCRIPTION

- Filler welding of high-strength low-alloyed and alloyed heat-treatable steels, armor steels, steels including 14 % Mn, ferritic chromium steels, heat-resistant steels, non-magnetic steels etc.
- Joint welding of different types of steels with each other
- Filler welding of abrasion-resistant steels for valves and turbines
- As shielding gas, Argon is used at TIG welding, where as Ar+ % 2.5 O_2 or Ar+ % 2.5 CO_2 mixed gas is used at MIG welding

CHEMICAL ANALYSIS OF WELD METAL % *(TYPICAL)*

C: 0.08 | Si:0.9 | Mn: 7.0 | Ni: 9.0 | Cr: 19.2

MECHANICAL PROPERTIES

Yield Strength (MPa)	**Tensile Strength** (MPa)	**Impact Strength** (ISO-V/+20°C)	**Elongation** (L_o=5d_o) (%)
min. 370	580 - 750	min. 63 J	min. 30

WELDING POSITIONS

CURRENT CONDITION

MIG DC(+) / TIG DC(-)

OPERATING DATA

Product Code	**Diameter x Length** (mm) / (inch)		**Weight** (Kg)	**Package Type**
1011100011	0,8	0.030"	12.5	BS 300
1011100012	1	0.040"	15	BS 300
1011100013	1,2	0.047"	15	BS 300
1011100014	1,6	0.062''	15	BS 300
1011100015	2,00 x 1000	5/64 x 39"	5	Plastic Box
1011100016	2,40 x 1000	3/32 x 39"	5	Plastic Box
1011100017	3,20 x 1000	1/8 x 39"	5	Plastic Box