

## Gas Tungsten Arc Welding

**TG-S316L**
**FAMILIARC**
**Filler Rods and Wires for 316L Stainless Steel**
**Classification:** ASME / AWS A5.9 ER316L  
 JIS Z3321 Y316L

**Features :** •Suitable for low carbon 18%Cr-12%Ni-2%Mo 316L stainless steel

**Shielding Gas :** Ar

**Chemical composition of rod and wire (%) as per AWS**

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Example	0.014	0.41	1.74	0.023	0.002	12.29	19.22	2.19	0.11
Guaranty	≤0.030	0.30~ 0.65	1.00~ 2.50	≤0.030	≤0.030	11.00~ 14.00	18.00~ 20.00	2.00~ 3.00	≤0.75

**Mechanical properties of all-weld metal as per AWS**

	0.2%OS (MPa)	TS (MPa)	EI (%)	IV (J)
Example	390	550	43	-196°C: 49

**Polarity**

Example	AC
Guaranty	AC, DC-EP

**Approvals**

AB, LR, NV, BV, NK, GL, CCS

**Packages**

Dia. (mm)	Length (mm)	Weight per tube (kg)	Weight per piece(g)
1.2	1000	5	9
1.6	1000	5	16
2.0	1000	5	25
2.4	1000	5	35
3.2	1000	5	63