

Gas Tungsten Arc Welding

TG-S316
FAMILIARC
Filler Rods and Wires for 316 Stainless Steel
Classification: ASME / AWS A5.9 ER316

JIS Z3321 Y316

Features : -Suitable for 18%Cr-12%Ni-2%Mo 316 stainless steel

Shielding Gas : Ar

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

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Example	0.04	0.42	1.71	0.026	0.001	12.25	19.39	2.15	0.11
Guaranty	≤0.08	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	570	42	-196°C: 29

Polarity

Example	AC
Guaranty	AC, DC-EP

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