

Stainless Steel MIG Wire

GM316LSi/GT316LSi

AWS A5.9 ER316LSi
JIS Z 3321 YS316LSi
ISO 14343-A-G 19 12 3 L Si
14343-A-W 19 12 3 L Si

Product Features:

- Austenite structure weld metal, good heat, corrosion and crack resistance, better inter-granular corrosion resistance than 316.
- Weld metal contains Mo element to get good inter-granular crevice corrosion resistance.
- High Silicon content with good bead appearance & better wettability.

Applications:

- Suitable for welding of severe acid and high heat resistance required SUS316 stainless steel.

Shielding gas:

- Ar + 1~2% O₂ (MIG)

Typical chemical composition of wire (wt%)

C	Si	Mn	Ni	Cr	Mo
0.01	0.88	1.53	11.54	18.57	2.53

Typical mechanical properties of all weld metal

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %	Impact value (-196°C) J
441	614	43	62

Wire size & recommended welding parameters ; DC+

Diameter (mm)	0.9/1.0	1.2	1.6
Current range (Amp)	70~200	90~250	200~300

TIG rod size diameter/length; DC-

Diameter (mm)	1.6	2.0	2.4/2.6	3.2
Length (mm)	1000	1000	1000	1000

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