



Stainless Steel Solid Wire

MIG/TIG Welding

AWS A5.9: ER316L
ISO14343-A-2009 19 12 3 L

SW-316L

DESCRIPTION & APPLICATION

MIG/TIG Filler wire for the joining and overlay of Stainless Steels of similar composition. Joining of all Austenitic Stainless. Used in the food and Dairy Industry Austenitic deposit with up to 12% Ferrite, slightly magnetic.

BASE MATERIALS

All 300 series Austenitic Stainless Steel, particularly Molybdenum bearing.

MECHANICAL PROPERTIES

~600 UTS n/mm	>420 YIELD 0.2%	>30 ELONG A5%	140-200 HARDNESS HV
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METAL WELD COMPOSITION %

C	Si	Mn	Cr	Ni	Mo	S	P	Fe
0.015	0.45	1.8	18.5	11.5	2.6	0.02	0.025	BAL

PACKAGING

15kg Spools (MIG)
5kg Tubes (TIG)

DIAMETERS

0.8, 1.0, 1.2mm (MIG)
0.8, 1.6, 2.4, 3.2mm (TIG)

WELDING INSTRUCTIONS

Shielding gas MIG 5% or 20% CO₂ in Argon, or 2% Argon-Ox. TIG 100% Argon. Do not allow the base material to overheat, maintain interpass temperature below 150°C.

Need Help?

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