

GETIG 316L

IDENTIFICATION

Getig 316L, ER 316L

CLASSIFICATION

AWS 5.9 ER316L BS2901-90 316S92

DIN8556-86 WSGX2CrNiMo 19.12

DESCRIPTION

Getig 316L is intended for welding the low carbon, molybdenum alloyed acid resisting 316L austenitic stainless steels of similar composition. The deposited weld metal has improved resistance to general corrosion and pitting resistance in marine and industrial environments.

CHEMICAL ANALYSIS (RANGE) %

C	Mn	Si	Cr	Cu	Ni	Mo	S	P
0.03 max	1.0 - 2.50	0.30 - 0.65	18 - 20	0.50 max	11 - 14	2.0 - 3.0	0.025 max	0.030 max

MECHANICAL PROPERTIES (RANGE)

TS (MPa)	EL (%) (L=4D)	CVN Impact Value	
		Temp	Joules
550 - 650	32 - 42	0°C	50 - 100

TYPICAL APPLICATIONS

- Widely used in chemical process plant.
- Suitable for welding ASTM 316 / 316L grades as well as Nb or Ti stabilized stainless steels provided service temperatures for structural work arc below 400°C.

SHIELDING GAS : Pure Argon 99.99% 6-12 l/min

FERRITE CONTENT IN THE WELD METAL : 3 - 10 FN.

WELDING CURRENT : DC (-)

CORROSION RESISTANCE

Good resistance to general and intergranular corrosion in the more severe environments. For e.g. hot dilute acids. Good resistance to chloride pitting corrosion.

PACKING PARAMETERS

Size (mm)	Length (mm)	Packing / Packet (kg)	Packing / Box (kg)
1.6	1000	5	5 x 4 = 20
2	1000	5	5 x 4 = 20

2.40 / 2.50	1000	5	5 x 4 = 20
3.15 / 3.20	1000	5	5 x 4 = 20
4	1000	5	5 x 4 = 20