



MIGINOX 316L

GMAW STAINLESS STEEL

AWS A/SFA 5.9 ER316L

CLASSIFICATION:

EN ISO 14343-A
G (19 12 3 L)

IS 5856
ES 19.12.2 L

KEY FEATURES:

- An extra low carbon 19Cr/12Ni/Mo type stainless steel wire
- Offers improved corrosion and pitting resistance in marine and industrial environment
- High resistance against intergranular corrosion
- Resistant to SCC, hot cracking and chemical attack upto 850°C
- Radiographic quality welds

APPROVALS: IRS/CE

TYPICAL APPLICATIONS:

- Welding austenitic alloys represented by AISI 316, 316L, 317, 317L, 318 types
- Joining similar grade wrought and cast material
- Application in textile processing, Naval and Chemical environments, Paper and pulp, Paint and dye industries
- Cladding stainless steels


TYPICAL CHEMICAL COMPOSITION OF BARE SOLID WIRE, Wt %:

C	Mn	Si	Cr	Ni	Mo
0.03	1.7	0.4	18.3	11.5	2.2


MECHANICAL PROPERTIES OF ALL WELD METAL:

	Condition	UTS, MPa	EL%
Typical	As Welded	550	36

PARAMETERS - PACKING DATA:

Ø, mm	Kg/Spool	
0.8	12.5	 DCEP STORAGE / HANDLING : Keep dry and follow handling instructions mentioned on the box
1.2	12.5	
1.6	12.5	

All Positions



Shielding Gas	Gas Flow Rate, LPM
98Ar/2O ₂ or Ar/1-5CO ₂	15-25