



TIGINOX 316L

GTAW STAINLESS STEEL

AWS A/SFA 5.9 ER316L

CLASSIFICATION:

EN ISO 14343-A
W (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	Net Wt, Kg		
1.6 x 1000	20	 DCEN STORAGE / HANDLING : Keep dry during storage and handling	All Positions 
2.0 x 1000	20		
2.4 x 1000	20		

Shielding Gas	Gas Flow Rate, LPM
Ar	10-15

Available in Standard carton packing of 20 kg box, containing 4 plastic tubes of 5 kg each.