

# TIG 316LSi

Stainless Steel Wire for GTAW

TECWELD

## TECHNICAL DATA

### Description:

TIG 316LSi is 18% Cr, 11% Ni, 2% Mo type bare stainless steel wire for joining type 316 and similar alloys, The presence of Molybdenum provides creep resistance at elevated temperature and pitting resistance in halide atmosphere.

### Typical Application:

It is ideally suited for chemical and petrochemical processing plant, pharmaceutical, textile and power generation plant.

### Classification:

AWS: A5.9 / ER-316LSi

### Welding Current:

(Amps) AC/DC (+)

(Volt) :

1.60mm	2.00mm	2.40mm	3.20mm	4.00mm
90 – 130	110 –140	120 –170	150 –210	170-230
14-16	14-18	15-20	17-23	20-26

### Typical Wire

Analysis (%)

C	Mn	Si	S	P	Cr	Ni	Cu	Mo
0.03 Max	1.00 2.50	0.65 1.00	0.03 Max	0.03 Max	18.00 20.00	11.00 14.00	0.75 Max	2.00 3.00

### Typical Mechanical

Properties of Weld

Deposit:

UTS (N/mm2)	Y.S (N/mm2)	Elongation (I=5d)	CVN Impact at -196° C
650.00	460.00	35.00	70 Joules

### Packing Specification:

5 Kgs wires are packed in plastic tube such tubes are packed in a Master Carton to make it 20 Kgs. The wires are normally packed in cut lengths of 500 mm or 1000mm