

T-316LSi

For austenite stainless steel (Low carbon, 18%Cr-12%Ni-Mo STS)

Classifications

EN ISO 14343-A:2009	: W 19 12 3 L Si	JIS Z 3321:2013	: YS316LSi
EN ISO 14343-B:2009	: SS 316LSi		
AWS A5.9-2012	: ER316LSi		

Description

- TIG welding of 18%Cr-12%Ni-2%Mo austenite stainless steels (AISI STS 316, 316L)
- A various application of the petrochemical industrial apparatus.

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr	Mo
0.01	0.87	1.55	11.57	18.58	2.54

Typical mechanical properties of all-weld metal

	Y.S (MPa)	T.S (MPa)	El. (%)	IV (J) 0°C	IV (J) -196°C
AWS A5.9		min. 490	min. 30		
EN ISO 14343	min. 320	min. 510	min. 25		
Example	494	647	44	154	78