

T-316L

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

Classifications

EN ISO 14343-A:2007	: W 19 12 3 L	KS D 7026:2005	: Y316L
EN ISO 14343-B:2007	: SS 316L	JIS Z 3321:2008	: Y316L
AWS A5.9-07	: ER316L		

Description

- TIG welding of 18%Cr-12%Ni-2%Mo austenite stainless steels (AISI STS 316, 316L)
- A various application of chemical plant, fiber and paper industrial apparatuses.

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Ni	Cr
0.02	0.40	1.73	11.17	18.15	2.22

Typical mechanical properties of all-weld metal

	Y.S (MPa)	T.S (MPa)	El. (%)	IV (J)	
				0℃	-196℃
AWS A5.9					
EN ISO 14343	min. 320	min. 490	min. 30		
Example	430	min. 510 560	min. 25 40	150	45

T-316LSi

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

Classifications

EN ISO 14343-A:2007	: W 19 12 3 L Si	AWS A5.9-07	: ER316LSi
EN ISO 14343-B:2007	: SS 316LSi		

Description

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

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℃	-196℃
AWS A5.9					
EN ISO 14343	min. 320	min. 490	min. 30		
Example	420	min. 510 560	min. 25 34	150	50