

M-316L

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

Classifications

EN ISO 14343-B:2009	: SS 316L	JIS Z 3321:2013	: YS316L
AWS A5.9-2012	: ER316L	KS D 3696:2006	: STSY316L

Description

- MIG welding of 18%Cr-12%Ni-2%Mo austenite stainless steels (AISI STS 316)
- Various applications of petrochemical industrial apparatus.
- WRC 1992 FN 3-8 (Chemical composition of wire)



Typical chemical composition of all-weld metal (%)

C	Si	Mn	Ni	Cr	Mo
0.02	0.51	1.61	11.81	18.78	2.49

Typical mechanical properties of all-weld metal

	Y.S.	T.S.	El.	IV (J)	
	(MPa)	(MPa)	(%)	0 °C	-196 °C
AWS A5.9		Min. 490	Min. 30		
EN ISO 14343	Min. 320	Min. 510	Min. 25		
Example	394	556	41	113	62