MIG Consumables

M-316

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

Classifications

EN ISO 14343-B:2007	: SS 316	KS D 7026:2005	: Y316
AWS A5.9-07	: ER316	JIS Z 3321:2008	: Y316

Description

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

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr	Mo
0.04	0.44	1.60	12.17	19.22	2.26

Typical mechanical properties of all-weld metal

	Y.S (MPa)	T.S (MPa)	El. (%)	IV (J) 0℃	IV (J) -196℃
AWS A5.9		min. 490	min. 30		
EN ISO 14343	min. 320	min. 510	min. 25		
Example	420	580	38	100	50

MIG Consumables

M-316L

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

Classifications

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

Description

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

Typical chemical composition of wire (%)

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 (MPa)	T.S (MPa)	El. (%)	IV (J) 0℃	IV (J) -196℃
AWS A5.9		min. 490	min. 30		
EN ISO 14343	min. 320	min. 510	min. 25		
Example	430	570	40	90	62