

KW-T718

Inconel 718, 706

Classifications

EN ISO 18274:2005 : SNI7718 (NiCr19Fe19Nb5Mo3)
 AWS A5.14-2011 : ERNiFeCr-2

JIS Z 3334:2011 : SNI7718 (NiCr19Fe19Nb5Mo3)
 KS B 18274:2014 : SNI7718 (NiCr19Fe19Nb5Mo3)

Description

- TIG consumable for Inconel 718, 706 and X-750.
- It can be used for welding parts required strength and corrosion resistance at high temperature.
- The weld metal has the mechanical properties after aging.

Typical chemical composition of wire (%)

C	Si	Mn	Cr	Ni	Mo	Fe	Co
0.05	0.06	0.03	17.55	52.78	3.08	19.80	0.03

Typical mechanical properties of all-weld metal

	Y.S. (MPa)	T.S. (MPa)	El. (%)	Remark
AWS A5.14	—	1140		
Example	1105	1212	13	PWHT

* PWHT : 718°C x 8Hr, furnace cool 3Hr to 620°C and air cool