

KW-M82

Inconel 600, 601, 690/ Incoloy 800, 800HT

Classifications

EN ISO 18274:2005	: S Ni 6082 (NiCr20Mn3Nb)	KS D 7045:2005	: YNiCr-3
AWS A5.14-07	: ERNiCr-3	JIS Z 3334:2011	: S Ni 6082 (NiCr20Mn3Nb)

Description

- MIG consumable for Inconel 600, Incoloy 800(HT). (ASTM B 163, B166, B167 or UNS N06082)
- It can be used for dissimilar welding of Inconel 600 with steels or stainless steels.
- The weld metal has high strength and good corrosion resistance at elevated temperatures.

Typical chemical composition of wire (%)

C	Si	Mn	Cr	Ni	Fe	Nb+Ta
0.02	0.11	3.09	20.32	71.90	1.04	2.44

Typical mechanical properties of all-weld metal

	T.S. (MPa)	El. (%)
AWS A5.14	550	—
Example	640	36