

CLASSIFICATION:

AWS 5.14 Class ERNiCrMo-14 ASME SFA 5.14 Class ERNiCrMo-14

DESCRIPTION

Nickel- alloy bare wire is used for GMAW, GTAW.

SHELDING GAS

GMAW: Ar or Ar /He

GTAW: Ar

APPLICATIONS

Welding of steels with similar chemical composition as well as dissimilar materials of nickel base alloys, steels and stainless steels. Excellent resistance to stress corrosion cracking, pitting, and crevice corrosion, thus it is often used for cladding.

CHEMISTRY OF WELD METAL – TYPICAL (PERCENT)

C	Mn	Fe	P	S	Si	Cu	Ni	Al	Ti
0.01 Max	1.0 Max	5.0 Max	0.02 Max	0.02 Max	0.08 Max	0.50 Max	Rem	0.50 Max	0.25 Max
Cr	Mo	W							
19.0- 23.0	15.0- 17.0	3.0-4.4							

TYPICAL MECHANICAL PROPERTIES OF ALL WELD METAL

Condition	UTS, MPa	EL %
As welded	760	35

PRODUCT FORM

Tig: 2.4mm dia. X 1000 mm

EWAC Alloys Limited

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