



ERNiCrMo-14

Classification:

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

CHEMISTRY OF WELD METAL – TYPICAL

Element	Composition (%)
C	0.01 Max
Mn	1.0 Max
Fe	5.0 Max
P	0.02 Max
S	0.02 Max
Si	0.08 Max
Cu	0.50 Max
Ni	Remainder
Al	0.50 Max
Ti	0.25 Max
Cr	19.0 – 23.0
Mo	15.0 – 17.0
W	3.0 – 4.4

TYPICAL MECHANICAL PROPERTIES OF ALL WELD METAL

Condition	UTS (MPa)	Elongation (%)
As welded	760	35

Application

This alloy is suitable for welding steels with similar compositions as well as dissimilar materials such as nickel-based alloys, carbon steels, and stainless steels. It offers outstanding resistance to stress corrosion cracking, pitting, and crevice corrosion, making it a preferred choice for cladding applications in demanding environments.



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