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7084

SPECIFICATIONS

AWS 5.7
ASME SFA 5.7

CLASSIFICATIONS

AWS ERCuAl-A2
UNS C61800

DESCRIPTION / APPLICATION

ERCuAl-A2 is used to weld and join many ferrous and nonferrous metals and combinations of dissimilar metals. These metals include the more weldable grades of cast iron, high and low carbon steels, copper, bronzes and copper-nickel alloys. This alloy contains an additive to inhibit inter-granular stress corrosion cracking. This is particularly important when welding on C61300 and C61400 base metal. Some applications include building up bearing surfaces, joining and fabricating copper alloys, overlaying for resistance to corrosion and erosion and general maintenance and repair welding.

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 79,025 psi 545 MPa
Yield strength: 34,945 psi 241 MPa
Elongation: 28%

AWS Chemical Composition						
Cu+Ag	Al	Fe	Si	Zn	Pb	OET
Bal	8.5-11.0	1.5 max	0.10 max	0.02 max	0.02 max	0.50 max