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6084 A2 BRONZE WELD a multiple phase aluminum bronze is available as bare filler rod and wire in standard sizes meeting all the requirements of AWS A5.7/ER CuAl-A2.

6084 A2 BRONZE WELD filler metal is an intermediate strength aluminum bronze alloy used for welding aluminum bronze plate fabrications and for joining dissimilar metal such as cast iron, carbon steels, copper, bronze and copper-nickel materials. Applications include wear surface reconstruction, casting repair, general maintenance, and galvanized sheet metal fabrications when high strength welds are required.

Chemical Composition

Copper	balance
Aluminum	9.0-9.50%
Iron	0.75-1.25%
Lead	0.02 max
Zinc	0.02 max
Silicon	0.10 max
Others	0.5% max.

Mechanical Properties (nominal all-weld values)

Tensile	85ksi
Yield	40ksi
Elongation	28 % in 2 inches
Reduction of area	28%
BHN (3000kg)	140 (1/4" deposit)