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Item # Brazelt 110, Copper & Copper Brazing Alloys

This is a standard copper brazing alloy used extensively for brazing steel, stainless, and nickel alloys in a controlled atmosphere furnace. Offers exceptional strength and flow characteristics.

Brazelt #110 is a free-flowing, high strength brazing alloy for the brazing of steel, stainless and nickel alloys. Brazing is performed in a controlled atmosphere environment without the use of flux. By controlling the moisture content (dew point) of the atmosphere, assembled parts exit the furnace clean and ready for shipment.

Brazelt #110 is available in a variety of preform options and is well suited for tight fitted as well as press fit joints. From an economy standpoint, Brazelt #110 is the least expensive brazing alloy available. With properly designed joints, it is also one of the strongest.

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Nominal Composition

Copper (Cu)	99.9%
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Specifications

Material	Electrolytic Touch Pitch
Melting Pt.	1981 °F 1083 °C
Flow Pt.	1981 °F 1083 °C
MBT	2100
AWS	BCu-1
Federal Specification	QQ-B-575
Preform Options	Brazing Discs Brazing Rings Brazing Shims Brazing Spheres Brazing Washers Custom Shapes Cutoffs Edgewounds
Resale Options	Brazing Paste Brazing Rod Brazing Strip Brazing wire Spooled Brazing Material
Pricing & availability	Our material sources offer us the best combination of quality, price and service. This translates into high performance brazing alloys for the customer delivered on time and at highly competitive prices.
Approx. Wire Length (BCuP/lb.) (BAg/Tr.oz)	1025 in @ 0.062 diameter 4100 in @ 0.031 diameter 456 in @ 0.093 diameter

Physical Constants

Solidus	1949 °F 1065 °C
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Liquidus	1981 °F 1083 °C
Brazing Range	1981-2100 °F
Specific Gravity	8.89 to 8.94
Density	0.323 lb./cu.in
Electrical Conductivity	1.01 % IACS
Electrical Resistivity	1.71 Micro ohm-cm
Color	Copper

Applications

The standard brazing alloy used for furnace applications brazing steel to steel.