

## GASFLUX C-04® NICKEL BRONZE BRAZING ALLOY

Alloy 680 UNS/CDA C68000

AWS A5.8 Class RBCuZn-B

ASME SFA5.8 Class RBCuZn-B

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### Chemical Composition of C-04 (RBCuZn-B)

Cu	Zn	Fe	Si	Al	Pb	Mn	Ni	Sn	Total Others
56.0-60.0	Balance	0.25-1.20	0.04-0.20	0.01	0.05	0.01-0.50	0.20-0.80	0.80-1.10	0.50

Single values are maximum unless otherwise specified. "Total Others" is copper(Cu) plus the sum of the named elements is 99.5 min.

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Melting point: 1620°F (882°C)

Solidification: 1590°F (868°C)

Tensile Strength, psi: 65,000

Brinell Hardness: 92

**C-04® Nickel Bronze** is a specially formulated low fuming copper/zinc alloy with additions of nickel, manganese and iron to improve flow and increase strength. It is most commonly used for the brazing of steel, copper, copper alloys, and nickel. The silicon has been adjusted to limit zinc fuming and improve flow characteristics.

