

C68100

MANGANESE BRONZE

DESCRIPTION

Manganese bronze contains small additions of manganese, iron, plus lead for lubricity, anti-seizing, and bonding. Like the aluminium bronzes, they combine high strength with excellent corrosion resistance.

CHEMICAL COMPOSITION

Elements	Min (%)	Max (%)
Cu	56.00	60.00
Pb	-	0.05
Sn	0.75	1.10
Al	-	0.01
Fe	0.25	1.30
Mn	0.01	0.50
Si	0.04	0.15
Total Others	-	0.50
Zn	Remainder	

MECHANICAL PROPERTIES ACCORDING TO UNS C68100

Mechanical property requirement, if any, are to be established by agreement between the manufacturer and the purchaser.

PHYSICAL PROPERTIES

Density g/cm ³ at 68°F	8.19
Specific Gravity	8.19

FABRICATION PROPERTIES

No Fabrication properties for this alloy.

TYPICAL USES

- Industrial