

C95900

Cast • GreenAlloy™

Product Description:	Aluminum Bronze
Solids:	½" to 9" OD
Tubes:	Consult Mill
Rectangles:	Up to 15"
Standard Lengths:	144"
Shape/Form:	semi-finished, mill stock or near-net shapes, anode, bar stock, billet/bloom, squares, hex, plate, profile or structural shape, flats/rectangular bar
Compliance:	C95900 is compliant with key legislation including (1) Federal Safe Drinking Water Act 1974 – SDWA, (2) Federal Reduction of Lead in Drinking Water Act 2011 and (3) California AF1953

Typical Uses

Industrial gears, worm drives

Similar or Equivalent Specification

CDA	ASTM	ASARCON	SAE	AMS	FEDERAL	MILITARY	OTHER
C95900	B505 B505M						

Chemical Composition

Cu%	Fe%	Ni% ¹	Al%	Mn%
Rem.	3.00- 5.00	0.50	12.00- 13.50	1.50

Chemical Composition according to ASTM B505/B505M-14

¹Ni value includes Co.

Note: Cu + Sum of Named Elements, 99.5% min. Single values represent maximums.

Machinability

Copper Alloy UNS No.	Machinability Rating	Density (lb/cu in at 68° F)
C95900	10	0.255

Mechanical Properties

C95900 continued

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation, in 2 in. or 50 mm min	Brinell Hardness	Remarks
ksi	MPa	ksi	MPa	%	minimum BHN	
					241 (3000 kg)	

Mechanical Properties according to ASTM B505/B505M-14