

C95900

Standard-stocked product	Continuous cast	GreenAlloys™
Product description	Aluminum bronze	
Solids	1" to 5" O.D.	
Tubes	Consult mill	
Rectangles	Up to 7"	
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 - SDWA, (2) S. 3874 Federal Reduction of Lead in Drinking Water Act, (3) California AB1953, and (4) Vermont Act 193	

Typical uses

Industrial

Die components, gears, gibs, worm drives

Similar or equivalent specification

CDA	ASTM	SAE	AMS	Federal	Military	Other
C95900	B505 B505M					

Chemical composition

Cu (%)	Fe (%)	Ni (%) ¹	Al (%)	Mn (%)
remain.	3.00-5.00	0.50	12.00-13.50	1.50

Chemical composition according to ASTM B505/B505M-23

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/in ³ at 68 ° F)
C95900	10	0.255

C95900 continued

Mechanical properties

Tensile strength, min		Yield strength, at 0.5% extension under load, min		Elongation, in 2 in. or 50 mm, min	Brinell hardness (3000 kg load)	Remarks
ksi	MPa	ksi	MPa	%	minimum BHN	
					241	

Mechanical properties according to ASTM B505/B505M-23