



Chicago Bronze

Cast Right. Machine Tight. Since 1980.

Alloy C90300 Navy G Tin Bronze

Composition (wt.%)		Mechanical Properties	
Element	Wt.%	Property	Value
Cu	87.90%	Density	8750 kg/m ³
Sn	8.50%	Hardness (BHN)	70
Zn	3.50%	UTS	303 MPa
Pb	0.10%	Yield (0.2%)	152 MPa
		Elongation	18 %
		Machinability	Fair (rating 25)

Applications	Standards
Plain & flanged bearings (SAE 660 class), thrust washers, gears, pump components.	ASTM B271
	ASTM B505
	ASTM B584

CHICAGO BRONZE ENGINEERED CASTINGS LLC

11417 Irving Park Road (IL-19), Suite B-3-6, Franklin Park, IL, 60131
dersan@chicago-bronze.com · www.chicago-bronze.com

Values are typical. Verify against relevant ASTM/AMS standards. © Chicago Bronze.