



Chicago Bronze

Cast Right. Machine Tight. Since 1980.

Alloy CuSn12Ni2-C (EN CC483K)

Composition (wt.%)		Mechanical Properties	
Element	Wt.%	Property	Value
Cu	86.00%	Density	8900 kg/m ³
Sn	12.00%	Hardness (BHN)	150
Ni	2.00%	UTS	480 MPa
		Yield (0.2%)	280 MPa
		Elongation	12 %
		Machinability	Fair (rating 2)

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

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