

C87850 Eco Brass[®]

ASTM B505-08

Cast • GreenAlloy™

C87850

Bronze Family:	Silicon Brass
Type:	Brass, Bronze or Copper Alloy
Solids:	½" to 9" OD
Tubes:	1" to 16" OD
Rectangles:	Up to 15" wide
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

BENEFITS:

Good machinability, excellent de-zincification corrosion resistance, excellent stress corrosion cracking resistance, good castability, high strength equivalent to stainless steel, excellent warm brittleness cracking resistance and plentiful supply of raw materials

APPLICATIONS:

Water supply devices, faucets, valves, fittings, precision parts, substitute for stainless steel, shafts, screw, bearings, electronic parts and automobile parts

Chemical Composition

Cu%	Sn%	Pb%	Zn%	Fe%	Ni%	Sb%	P%	S%	Al%	Mn%	Si%
74.00-78.00	0.30	0.09	REM.	0.10	0.20	.10	0.05-0.20	N/A	N/A	0.10	2.70-3.40

Note: Single values represent maximums.

Mechanical Properties

Tensile	Yield	% Elongation in 2"	Hardness
65 ksi min	25 ksi min	8% min	103 MIN Bhn (500 kg)

Machinability

Alloy	Machinability Rating	Density (lb/cu in.)
C87850	70	0.300