



BUNTING BEARINGS LLC

HOLLAND, OH MANSFIELD, OH
 DELTA, OH PORTAGE, MI
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Material Data Sheet

Bunting ECO Bronze **C87850**

Issue: 004

Date : 10/20/2015

Chemical Composition					ASTM	
Cu	Si	P	Pb	Zn	B505	For Cast Cored
75% - 78%	2.7% - 3.4%	0.05% - 0.20%	0.09% Max	Remainder	B124, B371	For Cast Solids
Eco Bronze is RoHS compliant and also meets the lead-free Safe Drinking Water Act						

Mechanical Properties					
Tensile Strength (min) KSi	Yield Strength (at 0.5% extension under load min) KSi	Elongation (in 2 Inch. Min) %	Density		Brinell Hardness 500 Lb Load
			lb/In ³	g/cm ³	
65	25	8	0.300	8.30	103

Fabrication Properties	
Joining Technique	Rating
Brazing	Excellent
Butt welding	Good
Seam welding	Good
Soldering	Excellent
Spot welding	Good



Thermal Treatments		
Treatment	Minimum	Maximum
Stress Relief	Not Required	
Annealing	932°F	1112°F
Hot Working	1202°F	1400°F

“ECO Bronze”- the first real lead free low cost alternative to C93200 (SAE660)

Eco Bronze has been independently tested and proved to be a great alternative to C93200. Our independent tests have shown that ECO Bronze is as strong and long lasting compared to the industry standard bearing material C93200. ECO Bronze was put through arduous tests to prove its capabilities, and came through with flying colors. Only after Bunting was 100% sure of the material, would we put our name to it as a true bearing material. *When Bearing is in the name of your company you need to be confident in what you are offering to the market place.*

Not only is ECO Bronze a great bearing material it is also cost effective as the table below shows in this Dollar per inch comparison.

Material	Price per Inch
C93200	Based on \$1.00 per Inch Price
ECO Bronze	\$1.10 per Inch Price
C86300	\$1.17 per Inch Price
C89835	\$1.34 per Inch Price

These prices are only to be used as a comparison as our price per inch varies according to the different bar sizes.

Bunting is able to supply ECO Bronze Bars in tubes and solids plus a comprehensive range of Inch size (or Metric) bearings and made to measure precision machined products.

This Material is a **Bunting Bearings Green product** and conforms to the ROHS specification.

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