

ECO BRASS®

wieland
chase

HIGH PERFORMANCE SILICON BRASS

Lead-free,* excellent machinability, forgeability, and high strength equivalent to stainless steel, while eliminating the problems of stress corrosion cracking and dezincification.

* This product complies with 0.25% weighted average lead content on wetted surfaces in accordance with Safe Drinking Water Act (SDWA) / Federal Public Law No. 111-380.



Advantages:

- No lead, no arsenic, and no bismuth added
- S3874 & AB1953 compliant
- Dezincification resistant
- Stress corrosion cracking resistant
- Meets NSF/ANSI 14 corrosion requirements
- NFS/ANSI/CAN 372 compliant
- Excellent machinability
- Hot forgeability
- Solders and brazes with standard materials
- Wear resistance equal to or better than SAE 660
- Strength comparable to annealed 303 stainless
- 100% recyclable



C69300

APPLICATION: MACHINING-FORGING
 ASTM: B371
 LENGTHS: 10 TO 16 FEET
 BUNDLE WEIGHTS: 1,000 – 4,000 LBS.

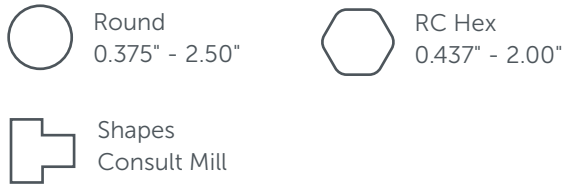
INGOT C87850

APPLICATION: CASTING
 ASTM: B30
 LENGTHS: 12 INCHES
 INGOT WEIGHTS: 17 LBS / INGOT
 2,500 LBS / PALLET

Chemistry Composition

Rod Alloy	CU	Si	P	Pb	Fe	Sn	Ni	Mn	Sb	Zn
C69300	73.0-77.0%	2.7-3.4%	0.04-0.15%	0.09% max	0.10% max	0.20% max	0.10% max	0.10% max	—	Remain.
C87850	75.0-78.0%	2.7-3.4%	0.05-0.20%	0.09% max	0.10% max	0.30% max	0.20% max	0.10% max	0.10% max	Remain.

C69300 Sizes/shapes



C69300 Diameter/tolerances +/-

Diameter	Round	Hexagonal, Octagonal
>0.150" - 0.500"	0.002"	0.004"
>0.500" - 1.000"	0.003"	0.005"
>1.000" - 2.000"	0.004"	0.006"
>2.000"	0.20%	0.40%

C69300 Minimum Mechanical Properties

Diameter (inch)	Tensile (ksi)	Yield (ksi)	Elongation (%)
>0.150" - 0.500"	85	45	5
>0.500" - 1.000"	75	35	10
>1.000" - 2.000"	70	30	10

Manufactured in the USA

C87850 Sizes/shapes

Shape	English	Length
Extruded Octagon Solid	2.400"	12"-12'

Available As Continuous Cast Product:

Extruded Rounds Solids (sold as C693)	0.375" - 2.50"	105"
Cast Round Solids and Rectangles	0.500" - 12.00"	105"
Cast Round Hollows	0.500" - 12.00"	105"
	4.000" - 36.00"	52" Max

C87850 Minimum Mechanical Properties

Casting Method	Tensile (ksi)	Yield (ksi)	Elongation (%)	ASTM
Sand	59	22	16	B584
Permanent Mold	64	32	16	B806
Continuous Cast	65	25	8	B505





Your Leading Source For Brass Solutions

For More Information

Call Toll Free: 1-800-537-4291
14212 Selwyn Drive | Montpelier, OH 43543



www.wieland-chase.com



© Wieland Chase, 2021
ECO BRASS® is a registered trademark of Mitsubishi Materials Corporation. Used with permission.
ECO BRONZE® and ECO FORGE® are registered trademarks of Wieland Chase, LLC.