



Proven Integrity. Delivering Value.

Plumbing and Concast

*Copper and copper alloys have long been important materials for pipes, fittings, faucets, and plumbing components. Plumbers have relied on the strength and long-term reliability of copper alloys for centuries. **Concast Metal Products Co.** provides the unparalleled quality necessary to support the plumbing industry and its need for lead-free and low-lead copper alloys.*

14315 State Route 113
Wakeman, OH 44889
800.626.7071 phone
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Standard-Stocked Alloys

C69300 | C89835 | C90300 | C95400 | C95500
C95900

Other Available Alloys

C87850 | C89325 | C89831 | C89833 | C89844
C90800 | C90810

■ Concast is ISO 9001 and AS9100 QMS certified.

Plumbing-Related Alloys Overview

Chemical Composition

Copper Alloy UNS No.	Cu%	Pb%	Sn%	Zn%	Fe%	P%	Ni% ³	Al%	Bi%	Mn%	S%	Sb%	Si%
Standard Stocked													
C69300	73.00-77.00 ¹	0.02*-0.09	0.30	Rem.	0.10	0.05-0.20	0.20			0.10		0.10	2.70-3.40
C89835	85.00-89.00	0.09	6.00-7.50	2.00-4.00	0.20	0.10	1.00	0.005	1.70-2.70		0.08	0.35	0.005
C90300	86.00-89.00 ²	0.30	7.50-9.00	3.00-5.00	0.20	1.50	1.00 ²	0.005			0.05	0.20	0.005
C95400	83.00 min				3.00-5.00		1.50	10.00-11.50		0.50			
C95500	78.00 min				3.00-5.00		3.00-5.50	10.00-11.50		3.50			
C95900	Rem.				3.00-5.00		0.50	12.00-13.50		1.50			
Other Available													
C87850	75.00-78.00	0.02*-0.09	0.30	Rem.	0.10	0.05-0.20	0.20			0.10		0.10	2.70-3.40
C89325	84.00-88.00	0.10	9.00-11.00	1.00	0.15	0.10	1.00	0.005	2.70-3.70		0.08	0.50	0.005
C89831	87.00-91.00	0.10	2.70-3.70	2.00-4.00	0.30	0.05	1.00	0.005	2.70-3.70		0.08	0.25	0.005
C89833	86.00-91.00	0.09	4.00-6.00	2.00-6.00	0.30	0.05	1.00	0.005	1.70-2.70		0.08	0.25	0.005
C89844	83.00-86.00	0.20	3.00-5.00	7.00-10.00	0.30	0.05	1.00	0.005	2.00-4.00		0.08	0.25	0.005
C90800	85.00-90.00 ²	0.25	11.00-13.00	0.25	0.15	0.30	0.50	0.005			0.05	0.20	0.005
C90810	Rem. ²	0.25	11.00-13.00	0.30	0.15	0.15-0.80 ⁴	0.50	0.005			0.05	0.20	0.005

*Pb content is greater than 0.02%. ¹Cu value includes Ag. ²In determining Cu min., Cu may be calculated as Cu + Ni.

³Ni value includes Co. ⁴For continuous castings, P shall be 1.5%, max.

Note: Unless otherwise noted, single values represent maximums.



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