

# Lead-Free Product List

Copper Alloy UNS No.	Cu%	Pb%	Sn%	Zn%	Fe%	P%	Ni% <sup>3</sup>	Al%	Bi%	Mn%	S%	Sb%	Si%
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
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
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
C90300*	86.00-89.00 <sup>1</sup>	0.30	7.50-9.00	3.00-5.00	0.20	1.50	1.00 <sup>1</sup>	0.005			0.05	0.20	0.005
C90800	85.00-89.00 <sup>1</sup>	0.25	11.00-13.00	0.25	0.15	0.30	0.50	0.005			0.05	0.20	0.005
C90810	Rem. <sup>1</sup>	0.25	11.00-13.00	0.30	0.15	0.15-0.80 <sup>2</sup>	0.50	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			

\*Standard-stocked alloy. <sup>1</sup>In determining Cu min., Cu may be calculated as Cu + Ni. <sup>2</sup>For continuous castings, P shall be 1.5% max.

<sup>3</sup>Ni value includes Co.

Note: Unless otherwise noted, single values represent maximums.