Copper Alloys Material Chemical Compositions:

UNS	DER	Cu[1]	Al	Sb	Fe	Pb	Ni[2]	P[3]	Si	S	Sn	Zn	Mn
C86100	CuZn25Al5	66,0-68,0	4,5-5,5	-	2,0-4,0	.10	-	-	-	-	.10	Rest	2,5-5.0
C86200	CuZn34Al2	60,0-66,0	3,0-4,9	-	2,0-4,0	.20	1.0	-	-	-	.20	22,0-28,0	2,5-5,0
C86300	CuZn25Al5 SAE 430B	60.0-66.0	5.0-7.5	-	2.0-4.0	-	1.0	-	-	-	.20	22.0-28.0	2.5-5.0
C86500	CuZn35Al1	55,0-60,0	0,5-1,5	-	0,4-2,0	.40	1.0	-	-	-	1.0	36,0-42,0	1,0-1,5
C87800	CuZn15Si4	80.0	.15	.05	.15	.15	.20	.01	3,8-4,2	-	.25	12,0-16,0	0,15
C90500	CuSn10Zn / Rg10	86,0-89,0	.005	.20	.20	.30	1	.05	.005	.05	9,0-11,0	1,0-3,0	-
C90700	CuSn10	88.0-90.0	.005	.20	.15	.50	.50	.30	.005	.05	10.0-12.0	.50	-
C90800	CuSn12	Rest	.005	.20	.15	.25	.50	.30	.005	.05	11,0-13,0	.25	-
C91700	CuSn12Ni	84.0-87.0	.005	.20	.20	.25	1.2-2.0	.30	.005	.05	11.3-12.5	.25	-

C92200	CuSn6Zn4Pb2	86.0-90.0	.005	.25	.25	1.0-2.0	1.0	.05	.005	.05	5.5-6.5	3.0-5.0	-
C92500	CuSn12Pb	85.0-88.0	.005	.25	.30	1.0-1.5	.8-1.5	.30	.005	.05	10.0-12.0	.50	-
C92600	CuSn10Zn	86.0-88.5	.005	.25	.20	.8-1.5	.7	.03	.005	.05	9.3-10.5	1.3-2.5	-
C92700	CuSn12Pb	86.0-89.0	.005	.25	.20	1.0-2.5	1.0	.25	.005	.05	9.0-11.0	.7	-
C92710	CuPb5Sn10	Rest	0,02	0,5	0,5	4,0-6,0	1,5	0,1	0,02		9,0-11,0	2.0	0,2
C92800		78.0-82.0	.005	.25	.20	4.0-6.0	.8	.05	.005	.05	15.0-17.0	.8	-
C92900		82.0-86.0	.005	.25	.20	2.0-3.2	2.8-4.0	.50	.005	.05	9.0-11.0	.25	-
C93100	CuSn7Pb	Rest	.005	.25	.25	2,0-5,0	1.0		.005	.05	6,5-8,5	2.0	-
C93200	CuSn7ZnPb / RG-7	81.0-85.0	.005	.35	.20	6.0-8.0	1.0	.15	.005	.08	6.3-7.5	1.0-4.0	-
C93400		82.0-85.0	.005	.50	.20	7.0-9.0	1.0	.50	.005	.08	7.0-9.0	.8	-
C93500	CuSn5Pb9	83,0-86,0	.005	.30	.20	8,0-10,0	1.0	.05	.005	.08	4,3-6,0	2.0	-
C93600		79.0-83.0	.005	.55	.20	11.0-13.0	1.0	.15	.005	.08	6.0-8.0	1.0	-
C93700	CuPb10Sn	78.0-82.0	.005	.50	.7	8.0-11.0	.50	.10	.005	.08	9.0-11.0	.8	-

C93800	CuPb15Sn	75.0-79.0	.005	.8	.15	13.0-16.0	1.0	.05	.005	.08	6.3-7.5	.8	-
C93900	CuPb15Sn	76,5-79,5	.005	.50	.40	14,0-18,0	.80	1,5	.005	.08	5,0-7,0	1,5	-
C94000		72.0-79.0	.005	.8	.25	18.0-22.0	1.0	.50	.005	.08	4.5-6.5	1.0	-
C94100	CuPb20Sn	72.0-79.0	.005	.8	.25	18.0-22.0	1.0	.50	.005	.08	4.5-6.5	1.0	-
C94300		67.0-72.0	.005	.8	.15	23.0-27.0	1.0	.08	.005	.08	4.5-6.0	.8	-
C94400		Rest	.005	.80	.15	9,0-12,0	1.0	.05	.005	.08	7,0-9,0	.80	-
C94500		Rem.	.005	.8	.15	16.0-22.0	1.0	.05	.005	.08	6.0-8.0	1,2	-
C94700		85.0-90.0	.005	.15	.25	.10	4.5-6.0	.05	.005	.05	4.5-6.0	1.0-2.5	.20
C94800		84.0-89.0	.005	.15	.25	.30-1.0	4.5-6.0	.05	.005	.05	4.5-6.0	1.0-2.5	.20
C94900	CuAl10Fe	79,0-81,0	.005	.25	.30	4,0-6,0	4,0-6,0	.05	.005	.08	4,0-6,0	4,0-6,0	.10
C95200	CuAl10Fe	86	8,5-9,5	-	2,5-4,0	-	-	-	-	-	-	-	-
C95300		86	9,0-11,0	-	0,8-1,5	-	-	-	-	-	-	-	-
C95400	CuAl11Fe4	83.0 min	10.0-11.5	-	3.0-5.0	-	1,5	-	-	-	-	-	.50

C95500	CuAl11Ni	78.0 min	10.0-11.5	-	3.0-5.0		3.0-5.5	-		-	-	-	3,5
C95600		88	6,0-8,0	-			.25	-	1,8-3,2	-	-	-	
C95700	CuMn11Al8Fe3Ni3	71	7,0-8,5	-	2,0-4,0	.03	1,5-3,0	-		-	.10	-	11,0-14,0
C95800	CuAl10Ni	79.0 min	8.5-9.5	-	3.5-4.5	.03	4.0-5.0	-	.10	-	-	-	0,8-1.5
-	CuAl10Ni3Fe2	80,0-86,0	8,5-10,5		1,0-3,0	0,1	1,5-4,0		0,2		0,2	0,5	2.0
-	CuAl11Fe6Ni6	72,0-77,0	10,3-12,0		4,2-7,0	0,04	4,3-7,5		0,1		0,2	0,4	2,5
C95900		Rest	12,0-13,5	-	3,0-5,0		.50	-	-	-	-	-	1,5
C83300		92,0-94,0	-	-		1,0-2,0	-	-	-	-	1,0-2,0	2,0-6,0	-
C83400		88,0-92,0	.005	.25	0,25	0,50	1.0	0,03	.005	0,08	0,20	8,0-12,0	-
C83500	CuSn6ZnNi	86,0-88,0	.005	0,25	0,25	3,5-5,5	0,50-1.0	0,03	.005	0,08	5,5-6,5	1,0-2,5	-
C83600	CuSn5ZnPb / Rg5	84,0-86,0	.005	0,25	0,3	4,0-6,0	1.0	0,05	.005	0,08	4,0-6,0	4,0-6,0	-
C83800		82,0-83,8	.005	0,25	0,3	5,0-7,0	1.0	0,03	.005	0,08	3,3-4,2	5,0-8,0	-
C84200		78,0-82,0	.005	0,25	0,4	2,0-3,0	0,8	1,5	.005	0,08	4,0-6,0	10,0-16,0	-

C84400		78,0-82,0	.005	0,25	0,4	6,0-8,0	1.0	0,02	.005	0,08	2,3-3,5	7,0-10,0	-
C84500		77,0-79,0	.005	0,25	0,4	6,0-7,5	1.0	0,02	.005	0,08	2,0-4,0	10,0-14,0	-
C84800		75,0-77,0	.005	0,25	0,4	5,5-7,0	1.0	0,02	.005	0,08	2,0-3,0	13,0-17,0	-
C85200		70,0-74,0	.005	0,2	0,6	1,5-3,8	1.0	0,02	0,05	0,05	0,7-2,0	20,0-27,0	-
C85400		65,0-70,0	0,35	-	0,8	1,5-3,8	1.0	-	0,05	-	0,5-1,5	24,0-32,0	-
C85500		59,0-63,0	-	-	0,2	0,2	0,2	-	-	-	0,2	Rest	0,2
C85700		58,0-64,0	0,55	-	0,7	0,8-1,5	1.0	-	0,05	-	0,5-1,5	32,0-40,0	-
C85800		57.0	0,55	0,05	0,5	1,5	0,5	0,01	0,25	0,05	1,5	31,0-41,0	0,25
-	CuZn40Fe	56,0-62,0	0,1		0,2-1,2	1.0	2.0	.05	0,1		1.0	Rest	2,5
-	CuZn35Mn2Al1Fe1	57,0-65,0	0,5-2,5		0,5-2,0	0,5	3.0		0,1		1.0	Rest	0,5-3,0
-	CuZn34Mn3Al2Fe1	55,0-66,0	1,0-3,0	0,05	0,5-2,5	0,3	3.0	0,03	0,1		0,3	Rest	1,0-4,0

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