ALEACIONES BASE COBRE

COMPOSICIÓN QUÍMICA										
ESTÁNDAR	MATERIAL	Cu	Sn	Pb	Zn	Fe	Ni	Al	Mn	Otros
CASTEM	AlBC3	78 a 85	<0.1	<0.1	<0.5	3 a 6	3 a 6	8.5 a 10.5	0.1 a 1.5	-
CDA	C95800	79	-	<0.03	-	3.5 a 4.5	4 a 5	8.5 a 9.5	0.8 a 1.5	Si: <0.1
CDA(1)	C95200	> 86	-	-	-	2.5 a 4.0	-	8.5 a 9.5	-	-
CDA	C95300	> 86	-	-	-	0.8 1.5	-	9 a 11	-	-
CDA	C95400	> 83	-	-	-	3 a 5	1.5	10 a 11.5	0.5	-
CDA	C95500	> 78	-	-	-	3 a 5	3 a 5.5	10 a 11.5	3.5	
CASTEM	CAC302	55 a 60	<1.0	<0.4	30 a 42	0.5 a 2	<1.0	0.5 a 2	0.1 a 3.5	Si: <0.1
CDA	C86500	55 a 60	<1.0	<0.4	36 a 42	0.4 a 2	1.0	0.5 a 1.5	0.1 a 1.5	-
CDA	C86300	60 a 66	0.2	0.2	22 a 28	2 a 4	1	5 a 7.5	2.5 a 5	-
CASTEM	BC2	86 a 90	7 a 9	<1.0	3 a 5	<0.2	<1.0	<0.01	-	Sb: <0.2
CDA	C90300	86 a 89	7.5 a 9	0.3	3 a 5	0.2	1.0	0.005	-	P: 0.05

(1) CDA: Copper Development Association Inc. URL: https://www.copper.org/

PROPIEDADES MECÁNICAS				
MATERIAL	ESFUERZO DE TENSIÓN (MPa)	ESFUERZO DE FLUENCIA (MPa)	% DE ELONGACIÓN	DUREZA
C95800	590	250	18	-
C95200	470	180	20	-
C95300	490	180	25	-
C95400	515	205	12.6	-
C95500	620	275	6.5	
C86500	448	172	20	60-65 HRB
C86300	785	414	12	95-100 HRB
C90300	276	124	20	40-50 HRB