

Nickel Silver

		Composition (% maximum except as indicated)												Sand Cast Mechanical Properties			Pour Temperature		ASTM Casting	
Copper Alloy Number	Ingot Number	Cu	Sn	Pb	Zn	Fe	Sb	Ni	Si	Al	Mn	P	S	Total Named Elements	Tensile ksi	Yield ksi	Elongation %	Light Castings	Heavy Castings	
C97300	410	53.0-58.0	1.5-3.0	8.0-11.0	17.0-25.0	1.0	0.35	11.0-14.0	0.05	0.005	0.50	0.05	0.08	99.0	30	15	8	2200-2400	2000-2200	B584, B176, B505, B763
C97400	411	58.0-61.0	2.5-3.5	4.5-5.5	balance	1.5		15.5-17.0			0.50			99.0	check CDA for typical props			2250-2450	2050-2250	
C97600	412	63.0-66.0	3.5-4.5	3.5-5.0	3.0-9.0	1.0	0.25	19.5-21.0	0.05	0.005	1.0	0.05	0.08	99.7	40	17	10	2300-2600	2250-2400	B584, B176, B505, B763
C97800	413	64.0-67.0	4.5-5.5	1.0-2.0	1.0-4.0	1.0	0.20	24.0-26.0	0.05	0.005	1.0	0.05	0.08	99.6	50	22	10	2400-2600	2300-2400	B584, B176, B763