

## Nickel Silver/Nickel Bronze

		Composition (% maximum except as indicated)													Sand Cast Mechanical Properties Minimum				Pour Temperature [F]	
Copper Alloy Number	Ingot Number	Copper (Cu)	Tin (Sn)	Lead (Pb)	Zinc (Zn)	Iron (Fe)	Antimony (Sb)	Nickel (Ni) incl Co	Sulfur (S)	Phosphorus (P)	Aluminum (Al)	Manganese (Mn)	Silicon (Si)	Total Named Elements	Tensile ksi	Yield ksi	Elongation %	Brinell 500 kg Load	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	0.08	0.05	0.005	0.50	0.05	99.0	30	15	8		2200-2400	2000-2200
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	0.08	0.05	0.005	1.0	0.05	99.7	40	17	10		2300-2600	2250-2400
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	0.08	0.05	0.005	1.0	0.05	99.6	50	22	10		2400-2600	2300-2400