PALMER ASSOCIATES
over 25 years experiance

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Copper, Brass & Bronze Based Alloy Heat Treat Properties

	Annealed				Heat Treated			
Alloy	Tensile Strength(psi)	Yield Strength(psi)	Elongation	Hardness	Tensile Strength(psi)	Yield Strength(psi)	Elongation	Hardness
Be Cu 10C (C82000)	40,000	9,000	20	HRB 45 max	90,000	50,000	5	HRB 90
Be Cu 10C (C82500)	55,000	20,000	20	HRB 75 max	155,000	140,000	1	HRC 40
Be Cu 275 C (C 82800)	70,000	40,000	15	HRB 90 max	180ksi	165ksi	3	HRC 44
Silicon Brass (C87500)								
Silicon Bronze (C87300)								
Phosphor Bronze (C90300)								
Navy "G" (C90700)								
Navy "M" (C92200)								
Red Brass 85-5-5-5(C83600)								
Yellow Brass (C85700)								
Manganese Bronze A(C86500)								