

C46400 Naval Uninhibited & C46500 Naval Brass, Arsenical (Comply with AB1953)

Chemical Composition % by weight

No.	Copper	Major chemical elements Lead	Tin	Other	Standard & Name
1	59-62	0.2	0.5-1.0	-	ASTM B-21,B-249,B-171

Room Temp Tensile & Hardness Data

No	Temper	Section Size	Tensile (KSI)	Yield (KSI)
1	H02	1/4" diameter	80	57
2	H02	1" diameter	75	53
3	M20/025	3" thick	50	20

Physical Properties

Melting Point - Liquidus 1650F

Melting Point - Solidus 1630F

Density.....0.304 lb/in3 at 68F

Specific Gravity8.41

Electrical Resistivity39.9 ohms-cmil / ft @68F

Electrical Conductivity26% IACS @68F

Thermal Conductivity67.0 Btu -ft/(hr.ft2 oF) @ 68F

Coefficient of Thermal Expansion11.8 -10⁻⁶ per oF(68-572F)

Modulus of Elasticity in Tension15000 KSI

Modulus of Rigidity5600 KSI

Machinability Rating30%

Typical Uses



All CHENYEE Products are covered under 1 year limited warranty

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