

C36000 Free Cutting Brass

Chemical Composition % by weight

No.	Major chemical elements					Standard & Name
	Copper	Lead	Iron	Zinc	Other	
1	60-63	2.5-3.7	0.35	Rem	-	ASTM B16/B16M-00

Room Temp Tensile & Hardness Data

No	Temper	Section Size	Tensile (KSI)	Yield (KSI)	Elongation IN HD
1	H04	0.625"	65	30	6
2	H02	3.0"	45	15	20

Physical Properties

Melting Point - Liquidus	1650F
Melting Point - Solidus	1650F
Density.....	0.307 lb/in ³ at 68F
Specific Gravity	8.5
Electrical Resistivity	39.9 ohms-cmil / ft @68F
Electrical Conductivity	26% IACS @68F
Thermal Conductivity	67.0 Btu -ft/(hr.ft ² oF) @ 68F
Coefficient of Thermal Expansion	11.4 -10 -6 per oF(68-572F)
Modulus of Elasticity in Tension	14000 KSI
Modulus of Rigidity	5300 KSI
Machinability Rating	100%

Typical Uses

