

C37700 Forging Brass

Chemical Composition % by weight

No.	Major chemical elements					Standard & Name
	Copper	Lead	Iron	Zinc	Other	
1	58-61	1.5-2.5	0.3	Rem	-	ASTM B-124,B-283

Room Temp Tensile & Hardness Data

No	Temper	Section Size	Tensile (KSI)	Yield (KSI)	Elongation IN HD
1	AS Extruded	up to 1 1/2"	50	18	25%
2		over 1 1/2"	46	15	30%

Physical Properties

Melting Point - Liquidus	1640F
Melting Point - Solidus	1620F
Density.....	0.305 lb/in3 at 68F
Specific Gravity	8.44
Electrical Resistitiy	38.4 ohms-cmil / ft @68F
Electrical Conductivity	27% IACS @68F
Thermal Conductivity	69.0 Btu -ft/(hr.ft2 oF) @ 68F
Coefficient of Thermal Expansion	11.5 -10 -6 per oF(68-572F)
Modulus of Elasticity in Tension	15000 KSI
Modulus of Rigidity	5600 KSI
Machinability Rating	80%

Typical Uses



All CHENYEE Products are covered under 1 year limited warranty

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