

**H58-3 China Forging & Casting Brass**

**Chemical Compostion % by weight**

No.	Major chemical elements					Standard & Name
	Copper	Lead	Iron	Zinc	Other	
1	58-60	2.5-4.0	0.5	Rem	-	GB/T-1176

**Room Temp Tensile & Hardness Date**

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