

C87850 Lead Free Casting Bronze (Comply with AB1953)

Chemical Composition % by weight

No.	Cu	Major chemical elements Pb	Sn	Si	Standard & Name
1	74-78	0.09	0.3	2.7-3.4	ASTM B-505-08

Room Temp Tensile & Hardness Data

No	Temper	Section Size	Tensile (KSI)	Yield (KSI)	Elongation IN HD
1	H02	to 2"	65	25	8

Physical Properties

- Melting Point - Liquidus 1650F
- Melting Point - Solidus 1630F
- Density.....0.3 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 Rating70%

Typical Uses



All CHENYEE Products are covered under 1 year limited warranty

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