

H.C COPPER

SAND CASTINGS



James Coppell Lee

ABOUT

H.C. Copper , Hi Conductivity and Electrical properties. Hi purity copper composition.

Nearest Spec : C80100

NOMINAL CHEMICAL ANALYSIS

CHEMICAL COMPOSITION	
Copper Cu	Other Elements
99.5 min	REMAINDER

MECHANICAL PROPERTIES / Typical

TENSILE Sand Cast		ELONGATION	.2% PROOF		HARDNESS	
MPa	KSi	(5-65/50% MIN.)	MPa	KSi	RB	HB
	29	40		9		44

Electrical Conductivity % IACS	98
Specific Gravity	8.94 g/cm ³
Machinability Rating (Free Machining Brass=100)	25
Electrical Conductivity % IACS 68°F	100
Thermal Conductivity	226

APPLICATIONS

- Electrical Contact Blocks
- Heat Sinks
- Electrode Holders