

AMS 4625

## Additional Information

AMS 4625 has similarities to the following standard designations and specification

ASTM B139 C51000 H04

QQ-B-750 Amd 2 Composition A Hard

## Chemical Properties

Element	Chemical Composition %
Copper (Cu)	Balance
Tin (Sn)	5.0
Phosphorus (P)	0.2

## Mechanical Properties

Condition	Continuous cast and cold worked
Typical Size Range (in)	0.5 - 1.0
	>1.0 - 5.0
Yield 0.5% eul (ksi)	50 - 65
	43 - 65
UTS Rm (ksi)	60 - 80
	55 - 72
Elongation 4D (%)	15 - 25
	18 - 28
Hardness	135 - 175
	130 - 160

## Physical Properties

Property	Value
Young's Modulus	16,000 ksi
Density	0.318 lb/in <sup>3</sup>
Melting Range	1700 - 1940 °F
Coefficient of Linear Expansion (68 - 572 °F)	10 <sup>-6</sup> in/in °F
Thermal Conductivity	Btu / ft h °F
Electrical Conductivity	20% IACS
Electrical Resistivity	52 Ω (circ mil/ft)
Relative Magnetic Permeability	<1.02
Specific Heat	0.09 Btu/lb °F

## Disclaimer

This data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

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