

MECHANICAL and PHYSICAL PROPERTIES ASTM B124 - UNS C63000

Tensile strenght Minimum		Yield strenght Minimum		Elongation Minimum	Hardness Brinell	Thermal Conductivity	Electrical Conductivity	Density
Mpa	ksi	Mpa	ksi	%	HB 5/250/30	W/m°K	IACS	kg/dm3

Element	Content	Condition	Tensile (Mpa)	Tensile (ksi)	Yield (Mpa)	Yield (ksi)	Elongation (%)	Hardness (HB)	Thermal (W/m°K)	Electrical (IACS)	Density (kg/dm3)
Cu	remainder	EXTRUDED	585	85	295	42	10	180 / 220	min. 39	min. 10	7,5
Al	9,00 - 11,00										
Fe	2,00 - 4,00										
Mn	1,50 max										
Ni+Co	4,00 - 5,50	FORGED	585	85	295	42	10	180 / 220	min. 39	min. 10	7,5
Si	0,25 max										
Pb	0,20 max										
Altro	0,30 max										

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