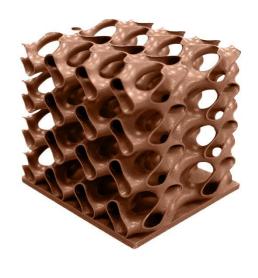


Pure-Copper

Material datasheet Pure-Copper

general properties

properties	unit	value
density laser-melted	g/cm³	8,9
roughness after sandblasting (Ra/Rz)	μm	8 – 9 / 40 – 50
Precision	mm	+/- 0,7 %, min. 0,1 mm
minimal wall thickness	mm	0,6
wall thickness for media-tight components	mm	min. 1 mm
leak test	bar	6 bar compressed air



mechanical properties

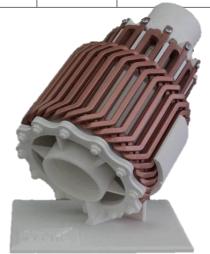


properties	state	unit	value
tensile strength	"as built"	MPa	220 ± 10
yield strength (Rp 0,2%)	"as built"	MPa	140 ± 20
elongation at break	"as built"	%	50 ± 10

electrical properties

properties	unit	value
electrical conductivity (edge/core)	MS/m	57

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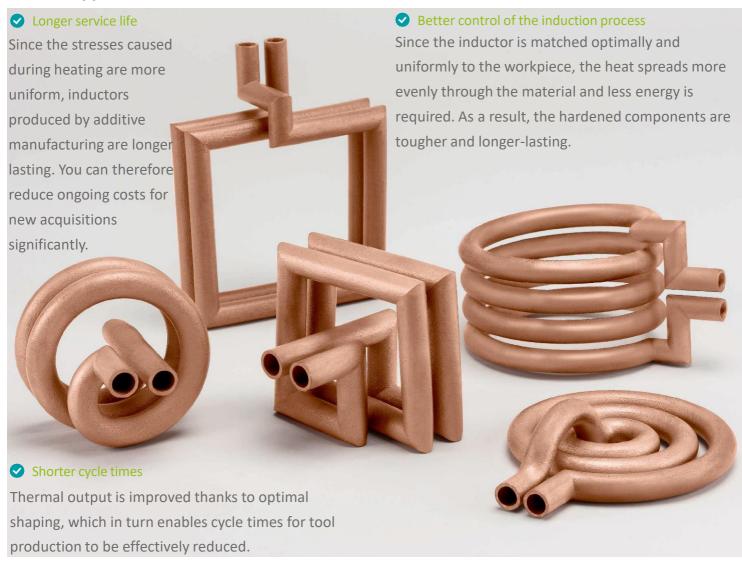
Pure-Copper

Material datasheet Pure-Copper

thermal properties

properties	unit	value	
thermal conductivity	W/(m*K)	415 ± 10	

Pure-Copper inductors:



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