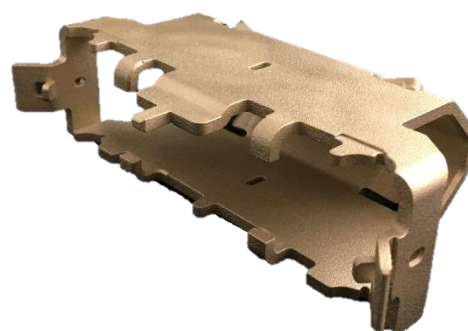


RS-Brass

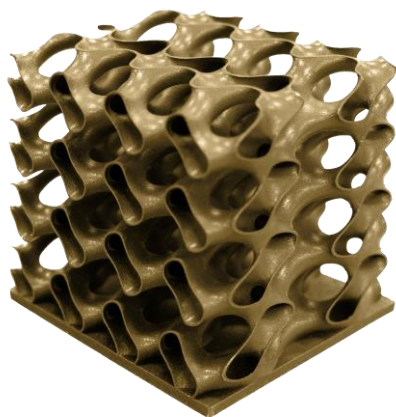
Material datasheet RS-Brass

general properties

properties	unit	value
density laser-melted	g/cm ³	8,2 – 0,6
roughness after sandblasting (Ra/Rz)	µm	7– 9 / 40 – 50
precision	mm	+/- 0,7 %, min. 0,1 mm
minimal wall thickness	mm	0,6



mechanical properties



properties	state	unit	value
tensile strength	„as built“	MPa	310 ± 30
	„after heat treatment“		
yield strength (Rp 0,2%)	„as built“	MPa	260 ± 10
	„after heat treatment“		
elongation at break	„as built“	%	8 ± 3
	„after heat treatment“		
elastic modulus	„as built“	GPa	80 ± 5
	„after heat treatment“		

electrical properties

properties	unit	value
electrical conductivity (edge/core)	MS/m	8 / 8



Dear PROTIQ customer, all information given is based on our knowledge and experience at the time of publication. In addition, the material properties can be influenced by component geometry, environmental influences and material additives. The stated material or component properties, as well as their suitability for specific applications, are neither agreed nor guaranteed, despite regular quality controls. The customer is responsible for checking the component properties and suitability for a specific application.