

Zamak 5

Material datasheet Zamak 5

general properties

properties	unit	value
density laser-melted	g/cm ³	6,2 – 6,4
roughness after sandblasting (Ra/Rz)	µm	4 – 6 / 25 – 35
precision	mm	± 0,1 / ± 0,7 %
minimal wall thickness	mm	0,6



mechanical properties

properties	state	unit	value
tensile strength	„as built“	MPa	218 ± 40
yield strength (Rp 0,2%)	„as built“	MPa	185 ± 15
elongation at break	„as built“	%	1,5 ± 0,5
elastic modulus	„as built“	GPa	28 ± 3
hardness	„as built“	HV10	61 – 64



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.

