# CX

Material datasheet CX

## general properties

| properties | unit | value |
|---|---|---|
| density laser-melted | g/cm³ | 7,7 |
| roughness after sandblasting (Ra/Rz) | µm | 5 / 26 |
| precision | mm | +/- 0,7 %, min. 0,1 mm |
| minimal wall thickness | mm | 0,4 |

## mechanical properties

| properties | state | unit | value |
|---|---|---|---|
| tensile strength | „as built“ | MPa | 1080 |
| | „after heat treatment“ | | 1.730 ± 10 |
| yield strength (Rp 0,2%) | „as built“ | MPa | 840 |
| | „after heat treatment“ | | 1.660 ± 10 |
| elongation at break | „as built“ | % | 14 |
| | „after heat treatment“ | | 6 |
| hardness | „after heat treatment“ | HRC | 50 |

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.

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