



Bronzes U2

Chemical composition

CB3

Standard: CC483K

International standards: more info

Composition in % (Mass fraction)

| | % min. | % máx |
|-----------------|--------|-------------------|
| Cu ^a | 85 | 88,5 ^c |
| Ni | | 2 |
| P ^d | | 0,6 |
| Pb | | 0,7 |
| Sn | 11 | 13 |
| Zn | | 0,5 |
| Al | | 0,01 |
| Fe | | 0,2 |
| Mn | | 0,2 |
| S | | 0,05 |
| Sb | | 0,15 |
| Si | | 0,01 |

Mechanical properties

CB3

Standard: CC483K

| Casting process and designation | GC | GZ |
|--|-----|-----|
| Tensile Strength R_m N/mm ² min. | 300 | 280 |
| Yield point 0,2% $R_{p0,2}$ N/mm ² min. | 150 | 150 |
| Elongation A % min. | 6 | 5 |
| Brinell hardness HBW min. | 90 | 90 |

Physical properties

CB3

Standard: CC483K

| | |
|--|-------|
| Density kg/dm ³ | 8,6 |
| Specific heat j/g. k | 0,376 |
| Terminal expansion 10-6 k | 18,5 |
| Thermal conductivity W/m. °k | 54 |
| Electrical conductivity m / (Ohm.mm ²) | 6,2 |