DATA SHEET

Cast Tinbronze | Round Bars

Alloy	Cu Sn 12 Ni 2-C, CC484K
Method of Manufacture	GC, continuous cast
Specification	EN 1982
Tolerance	≤ Ø 96 mm: +0,6/-0 mm Ø 102-192 mm: +1/-0 mm ≥ Ø 202 mm: +2/-0 mm Guideline, deviations possible
Temper	GC
Machinability	moderate
Wear Resistance	very good
Corrosion Resistance	very good versus most media
Sliding Properties	very good
REACH	information obligations concerning the SVHC lead
RoHS	conformal

Mechanical Properties

	Tensile strength R_m	Yield stress $R_{p\,0,2}$	Elongation A	Hardness HB
GC	≥ 300 N/mm²	≥ 180 N/mm²	≥ 10 %	≥ 95
GZ	≥ 300 N/mm²	≥ 180 N/mm²	≥ 8 %	≥ 95
GS	≥ 280 N/mm²	≥ 160 N/mm²	≥ 12 %	≥ 85

Tough and hard material with very high wear resistance, also suitable at high sliding speeds and surface pressures. Good corrosion resistance, seawater-resistant, resistant to cavitation stress, medium machinability. High-speed worm and helical wheel rims.

Product with information obligations to REACH-Legislation

Chemical Composition

Cu 84.5 - 87.5 %
Sn 11.0 - 13.0 %
Ni 1.50 - 2.50 %
P 0.05 - 0.40 %

Impurities, max.:
Pb 0.3 %, Al 0.01 %, Fe 0.20 %, Mn 0.2 %, S 0.05 %, Sb 0.1 %, Si 0.01 %, Zn 0.4 %

Comparable Specifications

Cu Sn 12 Ni, 2.1060, DIN 1705
C 91 700 UNS
CT 2, BS 1400

Schreier Metall GmbH
Bessemerstr. 17
D-40699 Erkrath-Hochdahl

Telefon +49 2104 1737-0

Internet: www.schreier-metall.de
E-Mail: sales@schreier-metall.de