

Material Data Sheet

G-CuSn12-GS CC483K older: GBZ 12 (DIN 1705)

This bronze alloy is distinguished by very good mechanical properties and positive wear resistance with favorable saltwater resistance. Thus, it is used by our customers predominantly in the following areas: Fittings, marine and special machinery.

Material condition	Yield strength $R_{p0,2}$ (N/mm ²) at least	Tensile strength R_m (N/mm ²) at least	Elongation at break A (%) at least	Brinell hardness HBW at least
Cast	140	260	7	80

All values determined according to DIN EN 1982 on a separately cast test bar. According to DIN EN 1982, samples from the respective component may vary up to 30% for the yield strength and tensile strength and up to 50% for elongation at break.

