

Material Data Sheet

G-CuSn7Zn4Pb7-GS CC493K older: RG 7 (DIN 1705)

This inexpensive red brass alloy is distinguished by average mechanical properties and good emergency operating properties as well as corrosion resistance with sufficient wear resistance. Thus, it is used by our customers predominantly in the following areas: Engine manufacturing, fittings, and machine components.

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	120	230	15	60

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.

