

Material Data Sheet

G-ALSi8Cu3 EN AC-46200 older / VDS : 226A

This remelt alloy is distinguished by casting properties, medium-level strength, and low costs. Thus, it is used by our customers predominantly for attachment components in the following areas: Engine manufacturing, mechanical engineering, and gear manufacturing.

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	90	150	1	60

All values determined according to DIN EN 1706 on a separately cast test bar. According to DIN EN 1706, 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. Desired mechanical properties can be “set” in component areas through certain measures - talk to us about this.

