

Material Data Sheet

G-ALSi9Mg (T6) EN AC-43300

This sand casting alloy is distinguished by highly favorable casting properties, high elongation, and superior corrosion resistance.

Thus, it is used by our customers predominantly for highly oscillating components in the following areas: Engine manufacturing, special machinery, marine and rail vehicle construction.

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
T6 / Swapped out warm	190	230	2	75

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.

