

PRODUCT SPECIFICATION

DESCRIPTION: AlSi10Mg is an aluminium master alloy often specified for casting or die casting parts. It is characterised by having excellent strength-to-weight among aluminium alloys, but is lower on elongation to break. It good high-temperature characteristics, corrosion resistance and fatigue resistance.

APPLICATIONS: Due to its high strength-to-weight ratio, AlSi10Mg is a good choice among casting materials for automotive and aerospace applications, notably gearboxes, housings and brackets that are subject to high loading.

PROPERTIES

Standard	Ultimate Tensile Strength (MPa)	0.2% Yield (MPa)	Elongation (%)	Hardness HRB)
EN DIN 1706:2013	260	275	1	47.2