

AlSi10Mg	EU: 3.2381	USA: A 360
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Chemical Composition

Element	Weight Percentage
Al	Balance
Mg	0.2-0.45
Si	9-11
Ni	<0.05
Sn	<0.05
Pb	<0.05
Cu	<0.05
Zn	<0.1
Ti	<0.15
Mn	<0.45
Fe	<0.55

Properties by our production process

Mechanical	UTS	410 MPa
	Yield strength (Rp0.2%)	240 MPa
	Elongation at break (as build)	5 % ± 2 %
	Young's modulus	70 GPa ± 5 GPa
	Hardness	125 HB
Thermal	Conductivity (20°)	145 W/m*K
	Specific heat cap (20°)	900 J/kg*K
	Melting Point	560°C