

Aluminium 7075

Ergal / 9007/2 / AlZnMgCu1.5 / 3.4365 / 2L95/L160 / A-ZGU / P-AlZn5.8MgCu



The strongest aluminum alloy. Suitable for challenging and complex applications in aerospace, marine and industrial sectors.

Material properties

Density		2,88	g/cm ³
Tensile strength	ISO 6892	575	MPa
Elongation at break	ISO 6892	8	%
Yield strength	ISO 6892	520	MPa
Elastic modulus	ISO 6892	72	GPa
Hardness	ISO 6508	170	HB
Melting temperature		635	°C
Thermal conductivity (20°C)		130	W/mK
Electrical resistivity		0,052	Ωmm ² /m

Main alloy elements

Aluminium - Zinc - Magnesium - Copper

Maximum dimensions

500x500x300 mm (19.7x19.7x11.8 in)

Tolerances

ISO 2768-1 fine (f) or medium (m) class

Applications

Aerospace, automotive, sporting goods.

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