

Aluminium 7022

AlZn5Mg3Cu / AW-7022 / 3.4345

This alloy plays an important role in industry, offering a diverse range of applications and unique advantages.



Material properties

Density		2,79	g/cm ³
Tensile strength	ISO 6892	390	MPa
Elongation at break	ISO 6892	5	%
Yield strength	ISO 6892	330	MPa
Elastic modulus	ISO 6892	72	GPa
Hardness	ISO 6508	120	HB
Melting temperature		640	°C
Thermal conductivity (20°C)		122	W/mK
Electrical resistivity		0,08	Ωmm ² /m

Main alloy elements

Aluminium - Magnesium - Zinc - Copper

Maximum dimensions

500x500x400 mm (19.7x19.7x15.7 in)

Tolerances

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

Applications

It is widely used in mould-making for blow-moulding, thermoforming and injection technologies due to its excellent dimensional stability and high strength.

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