

SEYBERT CASTINGS

TECHNICAL DATA

ZINC ALLOY - SEYBERT ZA SPIN - CAST

SPECIALIZING IN PROTOTYPE AND SHORT RUN ZINC ALLOY & ALUMINUM CASTINGS,
PLASTIC, AND RUBBER MOLDINGS

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ZINC ALLOY - SEYBERT ZA

TYPICAL AS CAST PROPERTIES

These typical properties are not guaranteed, and should not be used for design purposes but only as a basis for general comparison of alloys and tempers with respect to any given characteristic.

<u>COMPOSITION %</u>	<u>ZA (Zinc Alloy)</u>
Aluminum	3.5
Copper	3.5
Magnesium	0.03
Lead	0.003
Nickel	0.0003
Cadmium	0.0001
Tin	0.0005
Indium	0.0005
Zinc	Remainder

PROPERTIES

Density (lb/in ³)	.245
Melting Point (F/C)	730/388
Tensile Strength (psi)	35,000
Compression Strength (psi)	50,000
Elongation In 2 Inches (%)	8
Charpy Impact Strength (ft/lbs)	41
Brinell Hardness (bhn)	120
Thermal Conductivity (cgs)	.255
Thermal Expansion (linear C)	26.5 x 10 ⁻⁶
Electrical Conductivity (iacs)	25

The information presented here is based on carefully conducted laboratory tests and is believed to be accurate. However, results cannot be guaranteed and it is suggested that customers confirm results in their own laboratory.