

SEYBERT CASTINGS INC

TECHNICAL DATA

ALUMINUM A356.0 INVESTMENT CAST

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

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INVESTMENT CAST ALUMINUM A356.0 ALLOY

TYPICAL 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.

ALLOY PROPERTIES

COMPOSITION %

Silicon	6.5 -7.5
Copper	<=0.20
Magnesium	0.25 - 0.45
Iron	<=0.20
Manganese	<=0.10
Zinc	<=0.10
Titanium	<=0.20
Other, each	<=0.05
Other, total	<=0.20
Aluminum	balance

PROPERTIES

T61 Temper

Tensile Strength (ksi)	37.0
Yield Strength (0.2% Offset) (ksi)	26.0
Elongation In 2 Inches (%)	5.0
Electrical Conductivity (% iacs)	39
Hardness (Brinell 500 - kgf load)	80
Density (lb. per cu. in.)	0.097
Thermal Conductivity (25°C, CGS)	0.36

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.