

# ALPASE M-5

## ALUMINUM MOLD PLATE

Proven technology in a 5000 series aluminum alloy.

### M-5 APPLICATIONS

M-5 Mold Plate is used in a variety of manufacturing applications:

- Injection Molds
- Blow Molds
- Structural Foam Molds
- Rubber Molds
- Vacuum Forming Tools
- Compression Molds
- Heating and Cooling Plates
- Semi-conductor & Solar Equipment

### M-5 PROPERTIES

Tensile Strength	41 ksi	Coefficient of Expansion	$13.2 \times 10^{-6}$ (68°-212°F)
Yield	18 ksi	Electrical Conductivity	29% (I.A.C.S)
Elongation	12%-15%	Mircrostructure	Vacuum Tight
Hardness	70 HB	Thermal Conductivity	81 Btu/ft h x °F
Density	.096 lb./in <sup>3</sup>	Modulus of Elasticity	$10.3 \text{ KSI} \times 10^6$

Information provided does not imply a guarantee of properties or capability of manufacturing or use.

#### Surface Condition

Milled Surface Top and Bottom

#### Quality

M-5 plates are U/T inspected

#### Tolerances

Thickness +1/8" - 0"  
Width/Length +1/4" - 0"

#### Standard Sizes

Thickness Up to 30"  
Widths Up to 96"  
Lengths Up to 195"



New Technologies  
In Aluminum



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