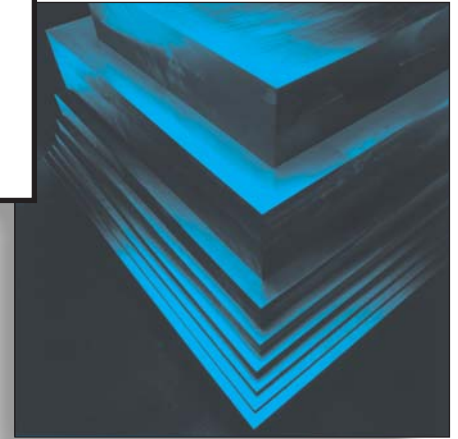


ALPASE M-5

**ALUMINUM MOLD PLATE – A PROVEN PRODUCT DEVELOPED
ESPECIALLY FOR THE PLASTIC AND MOLDING INDUSTRIES**



M-5 presents to mold builders the same proven Alpase technology used to produce the industry leading M-1 Aluminum Mold Plate that has been specified by industry for over 20 years. M-5 is produced using standard 5000 series aluminum alloy, presenting lower mechanical properties than M-1. Where these properties are acceptable, M-5 has the benefit of improved corrosion resistance and a 5% reduction in weight. Some types of mold applications are able to take advantage of the cost savings a 5000 series mold plate offers. Some mold applications are able to take advantage of the cost savings a 5000 series mold plate offers.

M-5 PRODUCT FEATURES AND APPLICATIONS

Typical Properties:

Typical Tensile Strength	38,000 psi
Typical Yield Strength	18,000 psi
Typical Elongation	15%
Typical Hardness	65 HB
Density	.096 lb/in ³
Coefficient of Expansion	13.2 x 10 ⁻⁶
Electrical Conductivity	29% IACS
Thermal Conductivity	810 English Units (77°F)
Modulus of Elasticity	10.3 KSI x 10 ³

Surface Condition:

All M-5 is machined to thickness reducing time consuming machining & handling steps.

Quality:

All M-5 is U/T inspected to MIL-SPEC 2154-A

Size Availability:

Thickness up to 30"

Width up to 74"

Length up to 220"

Thickness: + 1/8" – 0"

Width & Length: + 1/4" – 0"

**To locate a certified M-5 distributor or for technical assistance,
please contact one of the following Alpase specialists:**

Michigan Sales Office

Dwayne Gordon - Director Sales & Marketing

Office: 517-543-0176

Fax: 517-543-4210

Cell: 313-510-3799

E-mail: AlpaseSales@aol.com

Ohio Sales Office

Stan Kowaleski – Regional Sales Mgr.

Office: 330-634-1099

Fax: 330-634-0944

Cell: 330-289-0688

E-mail: akowal1598@aol.com

AUTHORIZED ALPASE DISTRIBUTOR

New Technologies
In Aluminum



World Headquarters
Alpase, Inc.

9750 Seaaca Street
Downey CA 90241

TEL: (562) 803-8675

FAX: (562) 803-8975

In Michigan

TEL: (517) 543-0176

FAX: (517) 543-4210

In Ohio

TEL: (330) 634-1099

FAX: (330) 634-0944



Alpase, Inc

9750 Seaaca Downey, CA 90241

562.803.8675 Fax 562.803.8975

Alpase M-5 Mold Plate

Attributes

Microstructure	Vaccum Tight
Weldability	Excellent, Call for procedures.
Dimensional Stability	Consistently Stable
Anodizing	Superior
Critical Applications	Highly Recommended
Tooling Applications	Superior

Properties

Typical Tensile	38,000 LBS
Typical Yield	18,000 LBS
Typical Elongation	15%
Brinell Hardness	60 to 65
Density	.096 lb/in ³
Coefficient of Expansion	13.2 X 10 ⁻⁶ (68 ° ~ 212 ° F)
Electrical Conductivity	29% (I.A.C.S.)
Thermal Conductivity	810 English Units (77 ° F)
Modulus of Elasticity	10.3 KSI X 10 ³

Standard Thickness

2" Minimum ~ 24" Max

Standard Widths

Up to 63"

Standard Lengths

Up to 190"

Non Standard Dimensions

Please call.

Produced In:

United States of America

Tolerances for Standard Sizes:

Milled Surface	Machined Surface
Edge Condition	Saw Cut
Thickness	+ 1/8" - 0"
Width / Length	+ 1/4" - 0"

M-5 Aluminum Mold Plate is a cast product that is normally use in Injection Molding, Blow Moulding, Structural Foam Molding, RIM Molding, RTM Molding, and Rubber Molds. Please consult with your engineers for all other usage.