



M-5

Aluminum Mold Plate™

M-5 Product Features and Applications

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.

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 - Outside Sales Mgr.

Office: 517-543-0176

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Cell: 313-510-3799

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Ohio Sales Office

Stan Kowaleski – Regional Sales Mgr.

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