

# DURAMOLD-2™ & DURAMOLD-5™



## Cast Aluminium Mould Plate

Vista Metals is committed to meeting the diverse needs of its customers by providing DURAMOLD-2™ and DURAMOLD-5™ aluminium mould plate products. Designed and tailored to meet a wide range of mould making applications, these products offer outstanding machinability, excellent weldability, superior and consistent performance at elevated temperatures, and unsurpassed dimensional stability.

Utilising state-of-the-art equipment and processing systems, Vista Metals provides a unique range of products, dimensions, surface conditions, along with the highest quality products available and the best service possible.

### DURAMOLD-2™

- Excellent Machinability
- Dimensional Stability
- High Brinell Hardness
- Excellent Weldability
- High Strength
- Ultrasonically Inspected
- Gauge 51 mm - 965 mm

### DURAMOLD-5™

- Excellent Machinability
- Dimensional Stability
- Excellent Weldability
- High Strength to Weight Ratio
- Enhanced Corrosion Resistance
- Ultrasonically Inspected
- Gauge 51 mm - 762 mm

## DURAMOLD-2™ AND DURAMOLD-5™

- Supplying the mould maker the most complete product line for an expanding range of applications
- Welding guidelines available on request

VISTA METALS



# S P E C I F I C A T I O N S

D U R A M O L D - 2 2xxx Series	D U R A M O L D - 5 5xxx Series
Surface Condition & Roughness: Machined 2 Sides (25 RMS) Sawed Surface (+3.175/-0 mm)	Surface Condition & Roughness: Machined 2 Sides (25 RMS) Sawed Surface (+3.175/-0 mm)
Gauges: 51 mm - 965 mm Tolerance: (+3.175/-0 mm)	Gauges: 51 mm - 762 mm Tolerance: (+3.175/-0 mm)
Widths: Up to 2388 mm (51 mm - 965 mm) Tolerance: +6.35/-0 mm)	Widths: Up to 1626 mm (534 mm - 762 mm) Up to 1880 mm (51 mm - 534mm) Tolerance: (+6.35/-0 mm)
Lengths:* Up to 3823 mm long (gauges 51 - 762 mm) Up to 2540 mm long (gauges 787 - 965 mm) <small>*Longer lengths available on inquiry</small> Tolerance: (+6.35/-0 mm)	Lengths:* Up to 3823 mm long (gauges 51 - 762 mm) <small>*Longer lengths available on inquiry</small> Tolerance: (+6.35/-0 mm)
Edges: Saw Cut	Edges: Saw Cut

## P R O P E R T I E S ( T Y P I C A L )

Tensile Strength: 262 MPa Yield Strength: 138 MPa Elongation in 51 mm: 7% Hardness: 81 HB Density: 2800 kg/m <sup>3</sup> Thermal Conductivity: 164 W/mK	Tensile Strength: 283 MPa Yield Strength: 124 MPa Elongation in 51 mm: 15% Hardness: 70 HB Density: 2660 kg/m <sup>3</sup> Thermal Conductivity: 140 W/mK
Electrical Conductivity: 39% IACS Modulus of Elasticity: 74,000 MPa	Electrical Conductivity: 29% IACS Modulus of Elasticity: 70,000 MPa
Coefficient of Thermal expansion: 20-100°C 31.5 x 10 <sup>-5</sup> 101-200°C 32.8 x 10 <sup>-5</sup>	Coefficient of Thermal expansion: 20-100°C 33.3 x 10 <sup>-5</sup> 101-200°C 34.0 x 10 <sup>-5</sup>

## APPLICATIONS

Moulds for the automotive industry, blow moulds, structural foam moulds, rubber moulds, low pressure injection moulds, Thermoforming moulds, R.I.M. and R.T.M. molding.

### For more information, contact:

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**There is only one way... The Calm Way!**