ELLWOOD

YOUR METALS PARTNER, FROM MELT TO DISTRIBUTION

EllCast®5 ALUMINUM PLATE

ADVANTAGES

- EllCast®5 is a modified Alloy 5083
- Excellent corrosion resistance
- High dimensional stability without stress relieving
- Good polishing and anodizing capabilities
- Excellent weldability
- Consistent mechanical properties
- Equiaxial fine grain structure
- Exceptional performance in extreme environments
- Retains extraordinary strength after welding

APPLICATIONS

- Injection Molding
- Blow Molding
- Structural Foam Molding
- Rubber Molds
- Rotational Molding
- Automotive and Aerospace Fixtures
- Semiconductors
- Robotic Components

ELLWOOD Specialty Metals - USA
499 Honeybee Lane I New Castle, PA 16105 I P 800.932.2188
ESM-USA-Sales@elwd.com I esmusa.elwd.com

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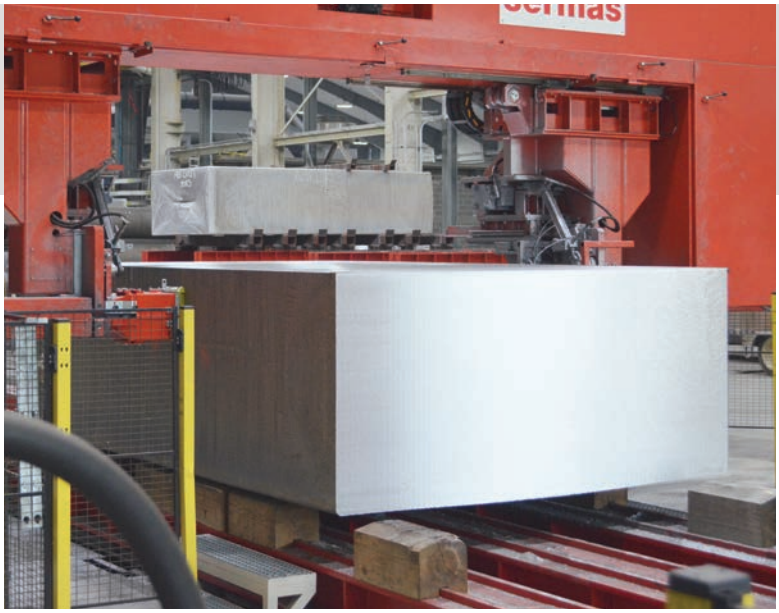
AVAILABILITY

Thickness	Width	Length	Tolerance
1" – 48"	Max 94"	Max 168"	+0.250" - /-0.000"

Inquire with ESM-USA-Sales@elwd.com for custom dimensions and precision cut tolerances



EllCast®5

ALUMINUM PLATE

EllCast®5 Properties

Tensile Strength	42	ksi
Yield Strength	18	ksi
Elongation	10-20	%
Hardness	72	Brinell
Thermal Conductivity	69	BTU/ft h °F
Electrical Conductivity	26-29	% (IACS)
Coefficient Thermal Expansion	13.2 x 10^{-6}	µin/in °F (68-212 °F)
Elastic Modulus	10.4 x 10^{3}	ksi
Density	0.096	lb/in^3

Values shown are typical and provided for reference only; they do not constitute a specification or guarantee.

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