



ELLWOOD

YOUR METALS PARTNER, FROM MELT TO DISTRIBUTION

ElICast2™ ALUMINUM PLATE

- ElICast2™ is a modified Alloy 2618 which is a heat treatable aluminum alloy for use in high-temperature applications up to 300° C (575° F).
- Excellent machinability properties with spectacular dimensional stability
- High strength at elevated temperatures
- High thermal fatigue
- Hardness
- Polishability
- High thermal and electrical conductivity

ADVANTAGES

- Superior strength at elevated temperatures
- Dimensional stability during machining
- Consistent properties throughout entire plate
- Accepts anodized, nickel and other coatings
- Suitable for polished surface applications
- Increased mechanical properties
- Equiaxial fine grain structure
- Excellent welding characteristics
- Accepts mold finishes and textures



APPLICATIONS

- Injection Molding
- Structural Foam
- Composite Tooling
- R.I.M. Molding
- R.T.M. Molding
- Rubber Molds
- Blow Molding
- Rotational Molding
- Automotive
- Aerospace
- Thermoforming



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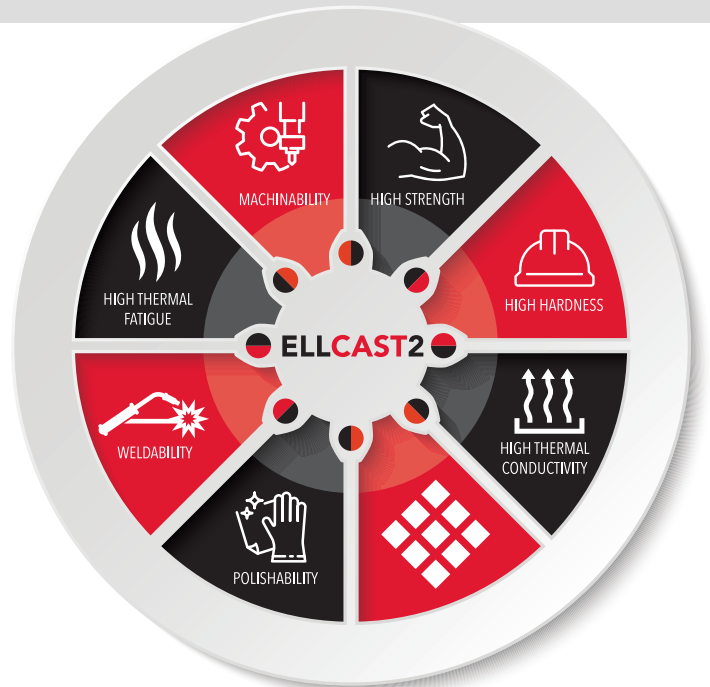
AVAILABILITY

Thickness	Width	Length	Tolerance
1" – 28"	Max 66"	Max 168"	+0.250" - /-0.000"

Inquire with ESSsales@elwd.com for custom thicknesses and precision cut tolerances



EllCast2™ ALUMINUM PLATE



EllCast2™ Properties

Tensile Strength	39	ksi
Yield Strength	20	ksi
Elongation	12-16	%
Hardness	75	Brinell
Thermal Conductivity	85	BTU/ft h °F
Electrical Conductivity	37	% (IACS)
Coefficient Thermal Expansion	12.4 x 10 ⁻⁶	µin/in (68-212 °F)
Elastic Modulus	10.8 x 10 ³	ksi
Density	0.101	lb/in ³

