



ELLWOOD

YOUR METALS PARTNER, FROM MELT TO DISTRIBUTION

EllCast5™ ALUMINUM PLATE

ADVANTAGES

- EllCast5™ 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 ALUMINUM

7158 Hubbard Masury Road | Hubbard, OH 44425
P 330.534.8668 | EASales@elwd.com | ellwoodaluminum.com

ELLWOOD SPECIALTY STEEL

499 Honeybee Lane | New Castle, PA 16105
P 800.932.2188 | ESSSales@elwd.com | ess.elwd.com



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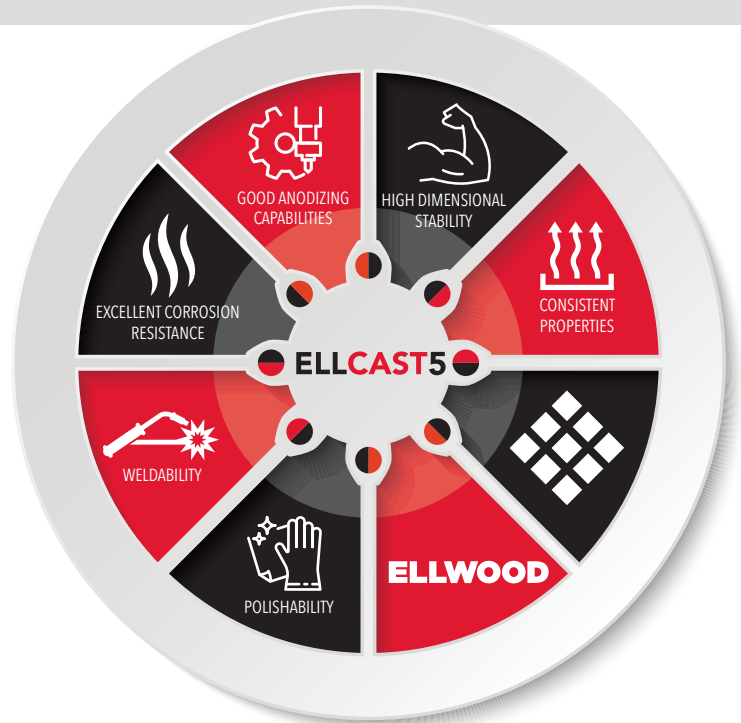


AVAILABILITY

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



EllCast5™ ALUMINUM PLATE



EllCast5™ 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 |



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