



## Cast Urethanes / RTV Molding (Polyurethanes)

Cast Urethanes, RTV Molding, or Polyurethanes (Polys) all refer to a low volume production method that produces parts from a Polyurethane plastic material for prototyping purposes.

These parts have material properties similar to production-like plastics. It is possible to make these parts appear just like hard tooled plastic parts with selection of particular surface finishes, color, accuracy, and unique material properties.

Cast Urethanes are ideal for marketing samples and test prototypes, or situations where 1 to 100 pieces are required but time and budgetary constraints do not allow for a prototype injection-molding tool to be produced.

**Generating an instant Cast Urethane quote at Quickparts is a simple 4-step process:**

1. Login to your Quickparts account.  
*(If you are not already registered, registration is free and easy at Quickparts.com)*
2. Upload 3D CAD files.
3. Select the units, materials, finish and quantity for your custom part.
4. Click the "Create Quote" button. QuickQuote will calculate and instantly present a custom binding quote for the manufacture of your part.



Coin Cell Carrier for Windermere

## Quickparts Advantage

- Instant Cast Urethane Quotes: Upload your 3D CAD data, define your project specs and a custom quote is calculated and presented, instantly.
- Fast Time-to-Market: Standard lead time is 6-9 working days for first articles. Parts are produced at a rate of 2-4 parts/day.
- Overnight Delivery: Shipments are via FedEx Priority Overnight, unless otherwise specified.
- Commitment to Service: Dedicated Project Managers assist you from design to prototype to production.

## Highlights

- Cast Urethane Process: SLA master pattern, finishing, RTV Tool, cast urethane, final cleanup.
- Ideal for less than 100 marketing samples.
- Materials Available: ABS-Like, PE-Like, Lexan-Like, Glass Filled Nylon, High Strength, Elastomeric (25A, 42A, 60A, 80A)
- Maximum dimensions for instant quote: 25"x25"x21".
- Layer Thickness:  
High-Resolution: 0.002" – 0.004";  
Standard Resolution: 0.005" – 0.006".
- Textures: None, Light, Medium, Heavy, Light Pipe.
- Finish Quality – Standard vs. Show.

## Contact Information

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