

# Prototyping, Mold Making, and Tooling Materials



## Prototyping and tooling materials to help bring your concepts to life

### Bring your concepts to life

Creating something new is exciting - but it can also be a challenge. Whether you're inventing a revolutionary product or improving an existing design, Curbell Plastics is here to help you. We have a full range of prototyping and tooling materials to support your product and part development.

### Material selection, expert advice

If you're trying to choose a specific material, our plastics professionals will be happy to talk with you about your needs and suggest the best options for your application. Our highly knowledgeable people use their expertise to help customers overcome challenges and take advantage of opportunities.

### What makes us different

At Curbell Plastics, we pride ourselves on providing responsive service, delivering innovative solutions, and exceeding expectations — just as we have for more than 70 years. We're here to provide the full line of quality plastic materials, related products, and specialized programs you want — whenever and however you need them.

### TYPICAL APPLICATIONS:

- Casting
- Composite tooling, plugs, and molds
- Fixtures
- Jigs
- Laminating
- Master models
- Patterns
- Sheet metal stamping dies
- Surface coating
- Prototyping
- Wind tunnel testing models

### INDUSTRIES SERVED:

- Aerospace and defense
- Architectural glazing
- Automotive
- Bulk material handling
- Chemical processing
- Composite tooling
- Food processing
- Machine builders
- Machine shops
- Maintenance, repair, and operations
- Marine
- Packaging/conveying
- Plastic fabrication
- Point-of-purchase displays
- Prototyping and mold making
- Sign building
- Scientific instrumentation
- Semiconductor/electronics
- Transportation

*Put us to work for you!*<sup>™</sup>



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PLASTICS

## Engineering Materials

- ABS
- Acetal
- Acrylic
- CPVC
- Delrin®
- DuPont™ SentryGlas®
- DuPont™ Vespel® Polyimide Shapes
- ESD materials
- ETFE
- FEP
- FM4910 materials
- Food grade materials
- FR-4
- G-10
- GPO - 1, 2, and 3
- Halar® (ECTFE)
- HDPE (high density polyethylene)
- HYDEX® 4101 (PBT)
- KYDEX® thermoplastic sheet
- Kynar® (PVDF)
- LDPE (low density polyethylene)
- Makrolon®
- Medical grade materials
- Metal detectable materials
- Noryl®
- NYLOIL®
- Nylon
- Nylon MD
- PBT
- PEEK
- PET
- PETG
- PFA
- Phenolic
- Polyamide-imide
- Polycarbonate
- Polyethylene
- Polypropylene
- Polystone®
- Polystyrene
- Polysulfone
- PPS (polyphenylene sulfide)
- PTFE
- PVC
- PVDF
- RADEL® R
- SANATEC®
- Sustamid®
- SustaPEEK
- Sustarin®
- TECAFORM®
- TECAMID®
- TECAPEEK®
- TECAST VEKTON™
- Thermoset laminates
- UHMW-PE
- Ultem® (PEI)
- Urethane
- X-ray detectable materials

## Sign, Visual Merchandising, & Print Materials

- ABS
- Acrylic
- Acrylic, impact modified
- Acrylic mirror
- Acetate film and sheet
- Cast acrylic sheet
- CELTEC®
- Coroplast®
- Designboard
- Dibond®
- Double patterned acrylic sheet
- DP-32 patterned acrylic sheet
- DURAPLAST®
- Dry erase board
- Engraving stock
- Ergonomic/anti-fatigue matting
- Expanded PVC
- FABBAC® mirror
- FiberMate™
- Flexible tubing
- Fome-Cor®
- Gatorfoam®
- Gatorplast®
- HDPE (high density polyethylene)
- HDU board
- HIPS film
- InSite®
- InteCel®
- InteClear™
- InteFoam®
- JetMount®
- KYDEX® thermoplastic sheet
- LDPE (low density polyethylene)
- Magnet board
- Makrolon®
- Mirror
- MUSTANG® Copolyester
- OPTIX®
- PETG
- Plastic lumber
- PLEXIGLAS®
- Polycarbonate sheet, mirror
- Polypropylene
- Polystyrene
- PVC
- Rigid foams
- Ryno Board®
- See-thru mirror
- Simopor (light, color, digital)
- Sintra®
- Soft foams
- Solacryl® SUVT (UV transmitting acrylic)
- Spectar®
- Styrene
- Twin wall polycarbonate sheet
- Ultra Board
- Vinyl
- VIVAK® PETG

## Plastic Films

- Acetate
- Acrylic
- Calendered vinyl
- Hardcoated film
- HDPE
- HIPS
- Kynar® PVDF
- LDPE
- Light diffusing film
- Makrofol® polycarbonate film
- Nylon
- PEEK
- PEN
- PETG
- Polycarbonate
- Polyester
- Polyimide
- Polypropylene
- Press polished vinyl
- Pressure sensitive vinyl
- PVC
- Scratch resistant vinyl
- Sign vinyl
- Static cling vinyl
- Styrene
- UHMW
- Ultem®
- Vinyl

## Prototyping, Mold Making, & Tooling Materials

- DSM Somos® SLA resins
- Momentive silicone mold making materials
- PTM&W liquid casting and laminating epoxies and casting urethanes
- RAMPF® modeling and tooling board

## Adhesives & Sealants

- 3M™ adhesives and tapes
- Aerosols
- Anaerobics
- Bostik adhesives
- Bulk dispensing equipment and cartridges
- Cyanoacrylates
- Epoxies
- Hot melts
- IPS® SCIGRIP®
- Methacrylates
- Momentive RTV silicones
- ITW Plexus® and ITW Devcon®
- Structural adhesives
- Urethanes
- Silane-terminated, Isocyanate-free polyurethanes
- UV adhesives

## Tapes, Fabrics, & Belts

- 3M™
- Aisle marking tape
- Anti-static fiberglass fabric
- Application tape
- Band Sealing Belts
- Circuit board tape
- Crepe paper masking tape
- Differential adhesive tape
- Double sided tape
- Fiberglass cloth tape
- Fluorescent tape
- Foam Tape
- Friction tape
- Gaffer's tape
- Glow-in-the-dark tape
- Heat sealing tape
- HVOF Tape
- Magnetic tape
- Mechanical grade belts
- Metal foil tape
- Mounting tapes
- Mylar/polyester tape
- Plating tape
- Polyester splicing tape
- Polyimide tape
- PTFE coated fiberglass tapes, fabrics, and belts
- PTFE high modulus tape
- PTFE skived tape
- Reflective tape
- Tear/crease resistant fabrics
- Thermal spray tape
- Transfer tape
- UHMW wear tapes
- Ultra high bond tapes
- VHB™ tape
- Vinyl tape
- Window glazing tape

## Orthotic & Prosthetic Materials

- Covering and cushioning
- Fabrication supplies
- Foams
- Plastic sheet
- Prosthetic materials
- Transfer paper

## OUR NATIONWIDE LOCATIONS OFFER:

- Local inventory
- Just-in-time delivery
- Cut-to-Size / Custom Cutting
- Packaging & Kitting
- Custom services
- Technical consult

## Our material partners:



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