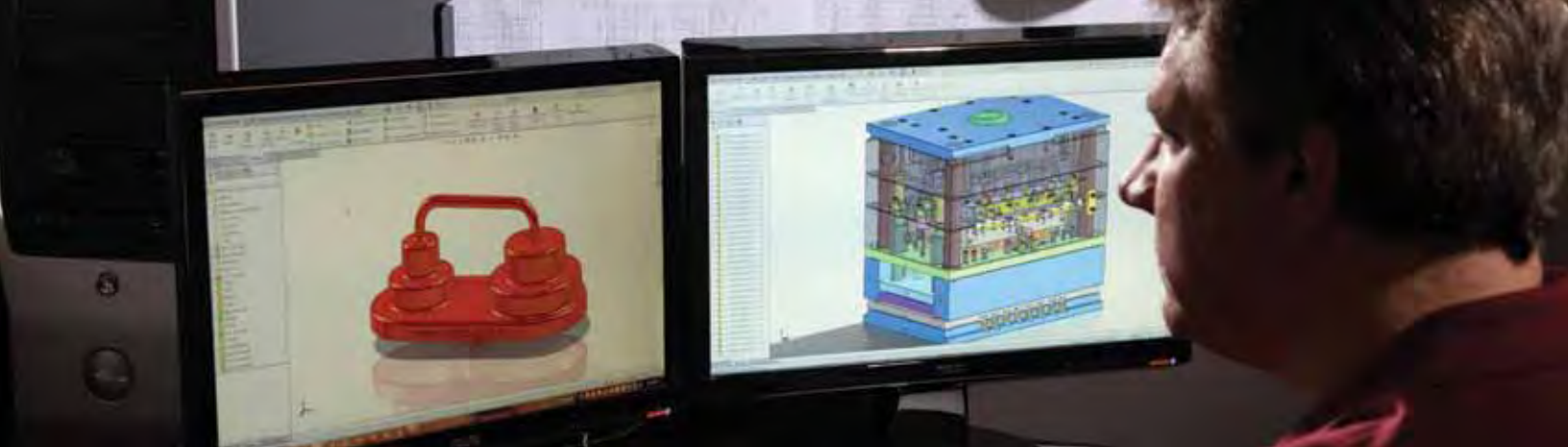


Plastic Molded Components





As a market leader in product protection, Caplugs has the expertise and resources to create the solutions to meet your needs. We employ the latest in molding technologies to produce a vast array of innovative parts that perform in a wide range of applications.

As a qualified supplier to over 1,300 medical customers, and with our vast experience in developing innovative, cost-efficient solutions across many industries, Caplugs is the ideal choice for your medical device and equipment protection and molded component needs.

“With **9,000 STANDARD PARTS**, **60 YEARS** of experience and an **IN-HOUSE** team of **ENGINEERS**, we’ll **HELP** you find the part you need or we’ll **DESIGN** and produce it specifically **FOR YOU.**”

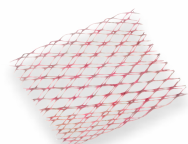
MOLDING PROCESSES



Injection Molding



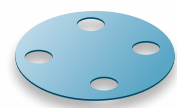
Dip Molding



Extrusion



Vinyl Coating



Die-Cutting

CAPPLUGS. YOUR MEDICAL MOLDING PARTNER.

Our standard product line includes some of the most commonly used parts in the medical industry. Choose from thousands of precision molded caps, plugs and other parts to protect your medical equipment and devices during critical processes, such as sterilization, as well as for packaging, shipping and storage.

- Wide range of materials to meet your specific needs
- Variety of molding processes
- Parts modification capabilities from punching and slitting to multi-part assembly
- Operations are scalable based on your volume requirements
- Process controls ensure reliability and reproducibility

With three domestic manufacturing facilities and warehouses, and over 80 sales representatives across the U.S. to serve your needs locally, you can get the parts you need when you need them.

CAPPLUGS – A BETTER ALTERNATIVE

BENEFITS TO YOU

Staff of over 15 design engineers

Clean room production and packaging capabilities

Saves your time and effort to focus on what you do best

Multiple molding processes to choose from

Design and prototyping to full production

Inventory parts and ship as needed

	IN-HOUSE	LOCAL MOLDER	CAPPLUGS
Staff of over 15 design engineers			✓
Clean room production and packaging capabilities			✓
Saves your time and effort to focus on what you do best			✓
Multiple molding processes to choose from			✓
Design and prototyping to full production			✓
Inventory parts and ship as needed			✓



CAPPLUGS COMPREHENSIVE IN-HOUSE PROCESS

① Concept and Design

Dedicated technical sales specialists and engineers assigned to each project will design the best solution with 3D modeling; compatible with all CAD platforms

② Rapid Prototyping

Prototypes built in-house to confirm fit requirements before production approval

③ In-House Tool Fabrication

Molds made in-house for greater process control, shorter lead times and easier modifications

④ Full Production Capability

From small volume runs to millions of parts

⑦ Inventory Management

We can inventory parts for JIT, Kanban and other warehousing requirements

⑥ Packaging

We can meet special requirements like polybagging and corrugate-free

⑤ Medical Component Approval Process

Formal verification that part design and production processes comply with all your specifications, including chemical and physical analysis and full lot traceability

CUSTOM ENGINEERED SOLUTIONS

Let our experts collaborate with your team to develop unique solutions that meet your needs. We work with all types of engineers through every stage of your process:

- **R&D**
Strategize, plan and design
- **Process & Commercialization**
Prototyping to production and scale-up, reducing costs
- **Packaging**
Guarantee protection and minimize contamination, ensuring compliance

“Need a unique shape? Size? Color? Material? Process requirements? We can help.”

MATERIALS

We offer a wide range of certified materials to meet your specific needs for:

- Functionality
- Traceability
- Sterilization

CERTIFICATIONS

- Gamma/EtO stable
- Non-phthalate
- Latex-free
- DEHP-free
- ROHS-compliant
- Anti-microbial



Thermoplastic

Silicone

Polypropylene

Nylon

Polycarbonate

Plastisol

PETG

Polyethylene

PVC

Polystyrene



Caplugs will support your material certifications, classifications, sterilization and microbiology needs.





CLEAN ROOM

- Dedicated Quality Manager
- Parts molded, inspected and packaged in room
- Inspection table equipped with ionization blowers
- Regularly monitor particle counts with hand-held unit
- Certified ISO Class 8 clean room will be 13485 certified in 2012



MEDICAL TUBING ACCESSORIES AND CONNECTORS

Vinyl Y-Connectors

Plastisol is used to mold flexible Y-connectors with exact inner diameters

Y-Connectors

Both catalog and custom Y-connectors are available in universal sizes to fit specific tubing dimensions



Cannulas

Nasal cannulas are molded to exacting specifications from the smallest neonatal sizes to adult

Connectors

Can be molded to meet your specific inner and outer dimensions

CAPS AND PLUGS

From shipping caps to finishing plugs, Caplugs has the largest variety of styles and sizes in the industry. Standard parts are available to sample free of charge, are in-stock and available for immediate shipment.



Threaded Caps for Tubing and Fittings

CD Series
Material: Low-density polyethylene



Static Dissipative and Conductive Protectors

DCC Series
Material: Ethylene vinyl acetate



Plugs for Threaded Connectors

EP Series
Material: Low-density polyethylene



Plugs for Round Tubing

K Series
Material: Low-density polyethylene



Center Pull-Tab Tapered Plugs

CPT Series
Material: Low-density polyethylene



Caps for Threaded Connectors

EC Series
Material: Low-density polyethylene



Lift-Tab Easy Removal Plug

L Series
Material: Low-density polyethylene



Ergonomic Vented Caps

These caps are made of a medical-grade elastomer designed to withstand both gamma and chemical sterilization without degradation. Ventilation tracks prevent pressure build-up and accidental "pop-up."

EVC Series
Material: Thermoplastic rubber

Sleeve Caps for Tube Ends

PZC Series
Material: Low-density polyethylene



Caps for Long-Threaded Connectors

RCL Series
Material: Low-density polyethylene



Sleeve Caps for Tube Ends

SC Series
Material: Low-density polyethylene



Tapered Caps and Plugs with Wide, Thick Flanges

WW Series
Material: Low-density polyethylene



SILICONE

Silicone is a highly flexible and durable material ideal for sterilization processes, product protection and a variety of other applications. Caplugs natural parts are molded from a specially formulated grade of silicone rubber that contains no coloring agents that could bleed under high temperatures.

“ I came to **CAPPLUGS** thinking I required a **CUSTOM** part for my unique **APPLICATION**. Turns out they had already **SOLVED** a similar **CHALLENGE** and had a standard part **IN STOCK** that fit my needs. I received **MY ORDER** the **NEXT DAY**. ”

— another satisfied Caplugs customer

Silicone Rubber Pull Plugs

SPP Series
Material: Silicone rubber



Silicone Rubber Caps

SRC Series
Material: Silicone rubber



Silicone Rubber Plug

SRP Series
Material: Silicone rubber



Flexible Vinyl Tapered Caps and Plugs

TV Series
Material: Silicone rubber



VINYL

Plastisol, or liquid polyvinylchloride (PVC), can be used to make flexible caps with an exact inner diameter. By using the dip molding process rather than traditional injection molding, cost savings and lead time are reduced, production can be easily scaled and products feature exceptional flexibility.



Tapered Vinyl Plugs

TP Series
Material: Vinyl



Flexible Tear-Tab Caps

TUV Series
Material: Vinyl



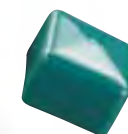
Flexible Caps with Flat Pull-Tab

VFC Series
Material: Vinyl



Round Vinyl Caps

VC Series
Material: Vinyl



Vinyl Square Caps

VSC Series
Material: Vinyl



Flexible EZ-Pull Caps

EZ Series
Material: Vinyl



Vinyl Vented Caps

The soft vinyl material of our VVC Series cushions delicate instrument tips, protecting them during shipping and sterilization. The caps are designed to vent, allowing airflow during ETO sterilization.

VVC Series
Material: Vinyl

TUBING AND PACKAGING

Caplugs' line of packaging includes ClearView® tubing and containers that are used for the packaging and protection of medical devices and components. Our Sleeve-Web® netting slides over "odd-shaped" items to cushion them from impact and protect during processing, shipment and storage.

Square Tubing

TSO Series
Material: PETG



Standard Wall Closed End Tubing

TRC Series
Material: PETG



Heavy Wall Open End Tubing

TRO Series
Material: PETG



Multi-Colored Tubes

PXT Series
Material: PETG



Hinged Containers

CVC Series
Material: Polypropylene



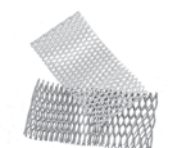
Two-Piece Vial

CVV Series
Material: Polypropylene



Sleeve-Web® Netting

CSW Series
Material: Low-density polyethylene



Over
400,000,000
parts in stock.

10,000,000
parts produced per day.

Over **9,000**
standard parts.

Over **200** molding
machines.

Over **15** engineers.

The **1** partner you need.

FINISHING PARTS

Caplugs' line of finishing parts conceals open ports and tube ends on medical equipment, monitors and devices. Designed with an attractive surface, these parts offer the "finishing touch" your medical device needs. Parts are available in a wide variety of colors and can be Pantone matched to coordinate with your product.



Button Plugs with Flush-Type Heads

BPF Series
Material: Low-density polyethylene



Square Load-Bearing Plugs

SQR Series
Material: Low-density polyethylene



Finishing Plugs for Socket Head Screw

SH Series
Material: Low-density polyethylene

VINYL COATING

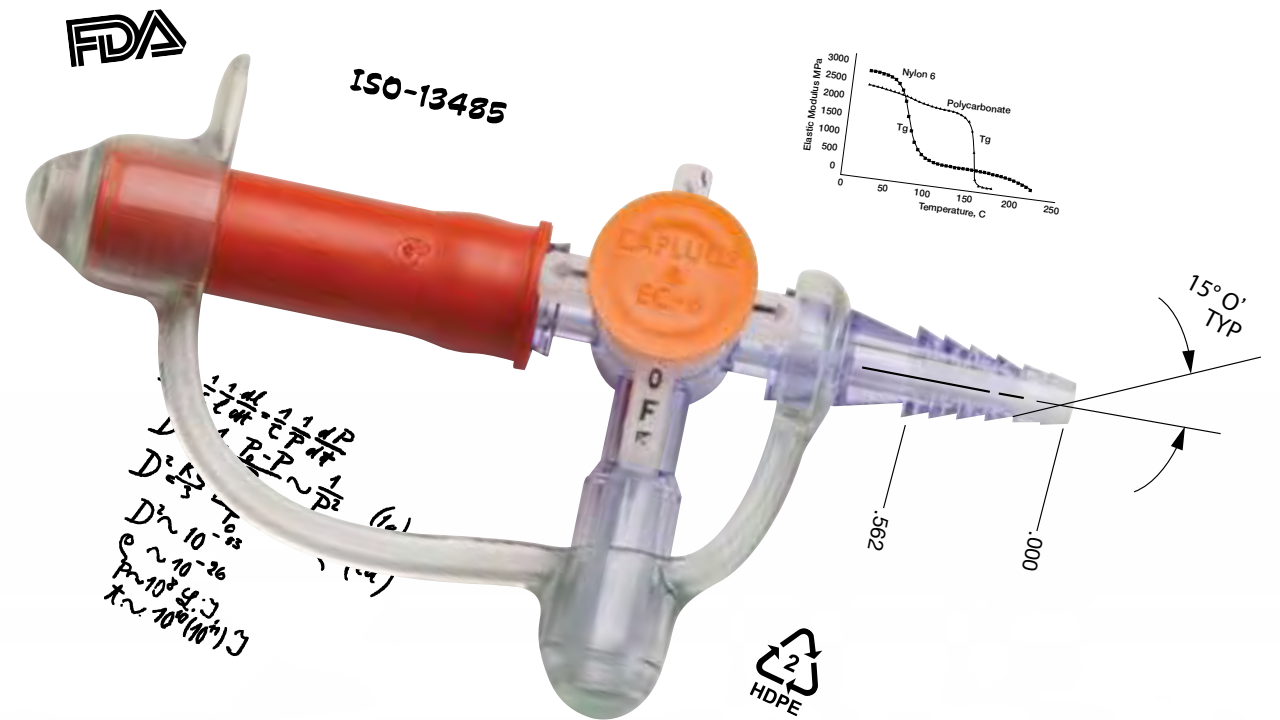
Vinyl coating is ideal for medical equipment requiring a permanent, attractive finish. Vinyl coating is highly durable and available in a soft "foam-like" texture for ergonomic requirements or a high-gloss finish for more aesthetically driven applications. Choose from hundreds of colors or let us Pantone match a shade to complement your product.



Request a free
medical sample kit at
caplugs.com/medical.



“You'd be amazed how much thinking goes into each one of our 9,000+ parts.”



Gregory E. Dziomba
Medical Quality Engineer

“Bring us your challenge.
If we don't already have a
standard part that meets
your needs, we'll design
and produce a solution
that does.”



www.caplugs.com/medical • 1-888-CAPLUGS • sales@caplugs.com

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California

Pennsylvania

China