

# Silicone & Elastomers

High-performance solutions engineered for precision, durability, and biocompatibility—supporting devices from concept to commercialization



## Fluid Management

- Plunger tips
- O-rings
- Seals
- Diaphragms
- Syringe components

## Medical Surgical, Acute Care

- Duckbills
- Valves and seals
- Diaphragms
- Bellows
- Respiratory products
- Dispensing products
- Implantable products
- Radio-opaque products

## Drug Delivery

- Sleeve stoppers
- Resealable/  
Non-resealable  
Septums
- Valves
- Diaphragms
- IV components
- Peristaltic pump  
tubing

## Consumer Healthcare

- Personal hygiene
- Oral healthcare
- Women's health
- Sterile packaging
- Food & beverage
- Ophthalmology

## Silicone Extrusion

### Single-Lumen Specifications

- Outside Diameter: 0.010" - 1.0"
- Wall Thickness: 0.01" - 0.375"
- Tight Tolerances
- Length: From 0.050" to continuous spool

### Multi-Lumen Specifications

- Outside Diameter: 0.010" - 1.0"
- Wall Thickness: 0.01" - 0.375"
- Up to 12 lumens possible, with different lumen shapes available (slot, crescent, D-shape, oval)

### Monofilament

### Profiled Extrusion

## LSR & HCR Molding

RMA AI High Precision Tolerances or better

SIZE (INCHES)		FIXED	CLOSURE
Above 0	Incl. .40	±.004	±.005
.40	- .63	.005	.006
.63	- 1.00	.006	.008
1.00	- 1.60	.008	.010
1.60	- 2.50	.010	.013
2.50	- 4.00	.013	.016
4.00	- 6.30	.016	.020

## Key Capabilities

- Wasteless Transfer Molding / CIP next generation molding, auto flippers and LSR molding
- Materials: Synthetic Polyisoprene (DMF), Nitrile, PU, EPDM, Halobutyls, and Silicone (LSR & HCR)
- Coatings: Chlorination, Surfactant, Siliconization, PECVD (Parylene)
- Auto-vision inspection capabilities supported by AI
- LSR & HCR Overmolding
- State-of-art, custom mixing facility
- In-house tooling capability
- Pin mats / Silicone mats for case and trays



**Cirtec Medical is a global leader in design, development, and manufacturing of complex Class II and III medical devices, specializing in active implant systems, interventional devices, and precision components.**

Since 1987, Cirtec Medical has built extensive in-house capabilities that enable the company to serve as a single-source partner and collaborate with customers to transform their technology into innovative medical devices. With 11 global facilities and a vertically integrated approach, Cirtec Medical aims to expedite time to market, reduce risk, and accelerate revenue generation for our partners.

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