

Utex's Custom Rubber Molding Process

When an application demands a unique solution, Utex develops high-precision custom molded rubber products that exceed industry standards for quality and performance. Our unique custom rubber molding process gives customers the freedom to address their needs while maintaining control over the design and production of specialized elastomeric parts for almost any application.

Step 1: Conceptualizing

The custom rubber molding process starts with an abstract idea based on your specifications and operational requirements. Utex engineers collaborate closely with you to determine the ideal mold configuration and chemical composition for your application.

Step 2: Chemical formulation

Our in-house chemists develop special elastomers that meet the tolerances specific to your operating conditions and constraints. We compound each batch of rubber to exacting standards to ensure optimal longevity and performance.

Step 3: Mold construction

Our custom mold designs are created in house to minimize the time from concept to production. With VTL lathes, CNC machines and wire EDM at our disposal—as well as a full complement of designers—we can develop a mold that precisely meets your specifications.

Step 4: Prototyping

Once the mold is created, we utilize our extensive prototyping capabilities to allow you to experiment with various compounds and designs. This phase continues until we hit upon the right combination for optimal performance.

Step 5: Production

We draw upon a variety of production techniques to create the best possible custom molded rubber products for your application. Depending on the materials and configuration, your parts can be injection molded, transfer molded, or compression molded.



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