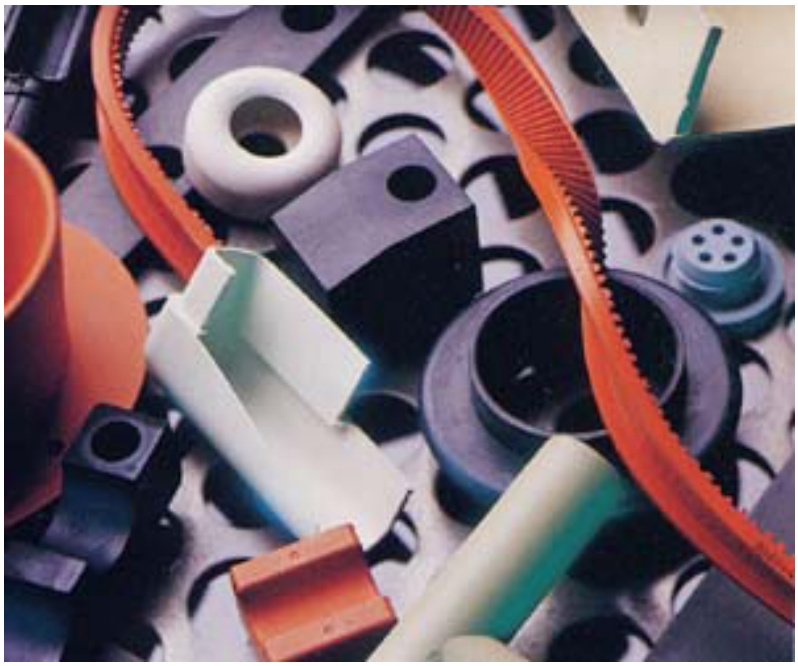
Esterline
Engineered Materials

28065 Franklin Parkway / Valencia, CA 91355-4117 / ph 661-775-1100 / fax 661-775-1155

Custom Molded Rubber Products



A Complete Range of Techniques, Decades of Experience and Large Capacity Manufacturing Gives Kirkhill-TA the Most Complete Custom Molded Rubber Capability in the Industry

Kirkhill-TA's custom molded rubber capability includes compression, transfer and injection molding. In addition, depending on part tolerances and other criteria, many rubber compounds can be used as an alternative or in combination with Kirkhill-TA's various manufacturing techniques. As an example, a molded part with a hollow bulb could be extruded and spliced rather than completely molded for a better performing end product or to make the end product less expensive to produce. Kirkhill-TA's sales engineering staff will discuss your custom molded rubber requirement early in your design cycle to determine the best process, or combination of processes, which will result in products that meet your specification and cost targets.

Kirkhill-TA's molded rubber capability includes:

- Compression molding
- Transfer molding
- Injection molding
- Custom sponge rubber molding

Compression Molding

- The original and most cost effective method of molding rubber
- Used for very large parts, dual durometers with fabric inserts and sponge components

28065 Franklin Parkway / Valencia, CA 91355-4117 / ph 661-775-1100 / fax 661-775-1155

Transfer Molding

- Medium to high volume requirements
- Allows for manufacture of thicker parts
- High and low durometer

Injection Molding

- Best for high volume requirements

Custom Molded Sponge Rubber Products

- Open cell sponge
- Materials may be specified in custom colors
- Cell sizes and firmness may be specified to your requirements
- Temperature tolerances from -140°F to +2,000°F
- EPDM, natural rubber, neoprene, nitrile, silicone and SBR are material options to provide for sealing, gasketing, insulating, vibration clamping and sound isolation

Custom blends, colors and mixes of materials are routine tasks for Kirkhill-TA's expert team of material formulation scientists and engineers.

Tolerance tables are available from the RMA handbook and are standards for the rubber manufacturing industry. Generally parts with more stringent tolerance requirements require greater tooling, finishing and higher cost.