

CUSTOM OR STANDARD SOLUTIONS FOR YOUR APPLICATION



Dip-Molding

KENT ELASTOMER ADVANTAGE

Do business with Kent Elastomer Products and gain American-made quality, quick turnaround and outstanding service from people who understand your business and your market. Learn more about our prototype development and dip-molding capabilities at kentelastomer.com.

Kent Elastomer Products specializes in custom dip-molding for the medical, food and beverage and other industries in a selection of FDA, NSF and USP Class VI material compounds. We can assist with prototype design and development to create quality dip-molded parts to your exacting specifications or produce what you need using your existing forms or our proprietary molds. All dip-molded components are manufactured in an FDA-registered facility.

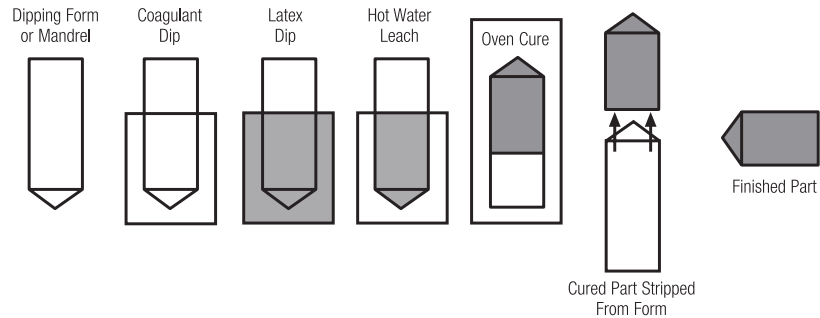
Consider the benefits:

- Create prototypes from your idea or drawing
- Experienced design staff and low-cost prototype development minimize start-up costs and shorten product development cycle
- Wide selection of shapes, sizes and wall thicknesses
- Specialty line of latex and non-latex compounds includes natural rubber latex, radio-opaque compounds, polychloroprene and synthetic polyisoprene
- Small-to-medium batch runs help meet tight deadlines
- Custom assemblies and packaging according to your guidelines

NATURAL RUBBER AND SYNTHETIC LATEX Dip-Molded Products

THE DIPPING PROCESS

Custom dipping is a process used at Kent Elastomer Products for producing dipped articles of various and unique shapes from natural or synthetic latex. A form (mandrel) of aluminum, stainless steel, nylon, delrin or polypropylene is first dipped into a coagulant solution, then into latex to produce the part.



The “dwell” time in the latex determines the latex pick-up or thickness for each dip. A single dip can produce a wall gauge from .005” to .025”. A multiple dip process is used for wall gauges greater than .025”. Very heavy parts are possible (over .1”), but tolerances are difficult to maintain, especially if the part is long.

REQUIREMENTS

- Part dimensions should be in the range of 1” to 24” in length and .25” to 12” in diameter. If you have an unusual size or shape, please call to see if we can accommodate your needs.
- Forms should have rounded contours to allow latex to flow during dipping. Sharp angles and/or flat surfaces parallel to the surface of the latex should be avoided.
- Part can be no larger than 5 times the diameter of the open end. This permits stripping the part from the dipping form without undue stretching or damage.
- Part cannot be solid.

NOTES

- Unit cost of parts may be reduced by dipping more forms per cycle. Heavy-walled parts require longer dip cycles and are therefore more expensive. A thin-walled part or a part with many forms will have a lower cost than a heavy-walled part or a part with fewer forms.
- Customer may provide forms or we will have forms made to customer’s specifications. Detailed dimensional drawings ensure accurate tooling of forms.

The buyer must perform all tests necessary to confirm whether the product and its performance and qualities are suitable for the intended application. Final determination of fitness of the product for the intended application is the buyer’s responsibility. Kent Elastomer Products shall not be liable for any misuse or misapplication of its products.

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