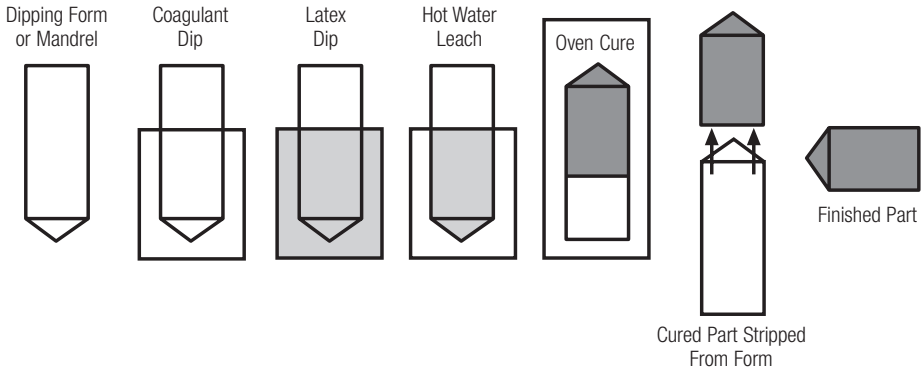
NATURAL RUBBER AND SYNTHETIC LATEX
DIP-MOLDED PRODUCTS

THE DIPPING PROCESS

Custom dipping is a process used at Kent Elastomer 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 shall not be liable for any misuse or misapplication of its products.

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