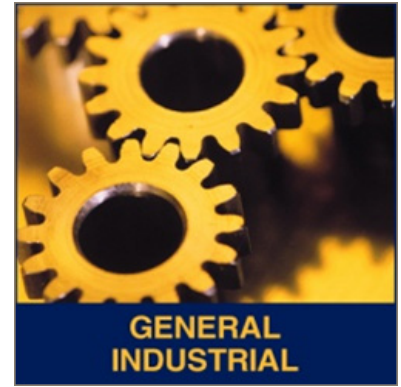


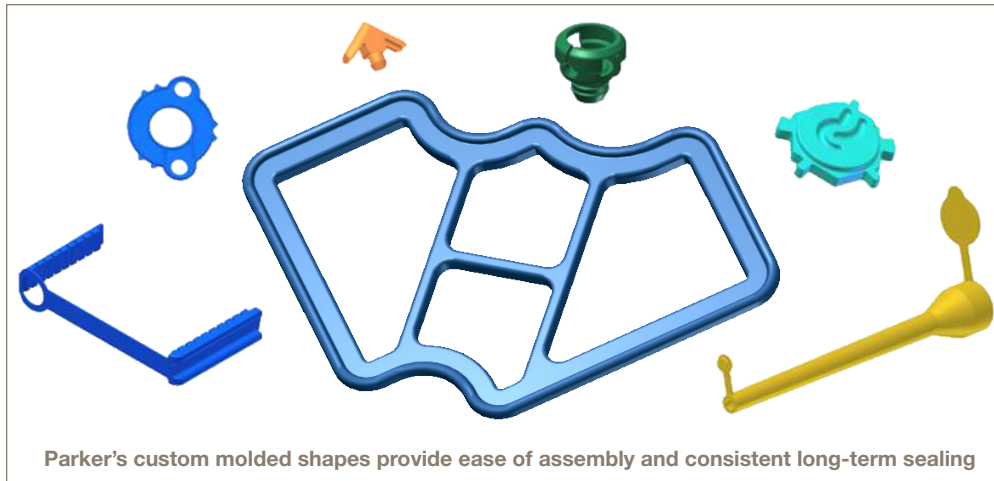
Custom Molded Shapes

Engineered Solutions
Issue 15



Problem:

Traditional Room Temperature Vulcanization (RTV) adhesives can be a burden for assembly lines. Dispensing units often require higher maintenance and the cure cycle frequently creates an assembly bottleneck. Variation is also higher in the seal joint depending on how the RTV is dispensed. RTV materials often leave much to be desired in terms of mechanical properties, fluid compatibility, and serviceability. Other issues may include leak paths associated with the start/stop point of the dispensed liquid. With tightening environmental regulations, some dispensed liquids struggle meeting low permeation requirements.



Solution:

Parker Engineered Seals Division can tailor custom molded shapes to fit specific grooves and provide drop-in installation, dramatically reducing assembly time. A customized shape also eliminates the need for specialized dispensing equipment, associated maintenance, and clean-up costs. Molded as a homogeneous shape, there are no start/stop points, eliminating potential leak paths. Custom molded products also allow for field serviceability which cannot be achieved with dispensed products. Parker ESD offers a broad range of material options for molded products, which provides greater material compatibility and opportunities for improved permeation resistance. Mechanical properties can also be tailored to the needs of the application.

Applications: The range of applications and markets where custom molded shapes can be used is vast, encompassing semiconductor, life sciences, oil and gas, automotive, industrial, and many more. Custom molded shapes enable designers the flexibility needed to meet cost, weight, performance, and packaging targets.

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Contact Parker Engineered Seals Division and ask for a product engineer to review your application and see what opportunities are waiting to be discovered!



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