

## Parker Diamond Seal™

Retained press-in-place molded seals

No. ESD 5601-USA

### Greater seal pressure in narrow straight-walled grooves for greater design flexibility.

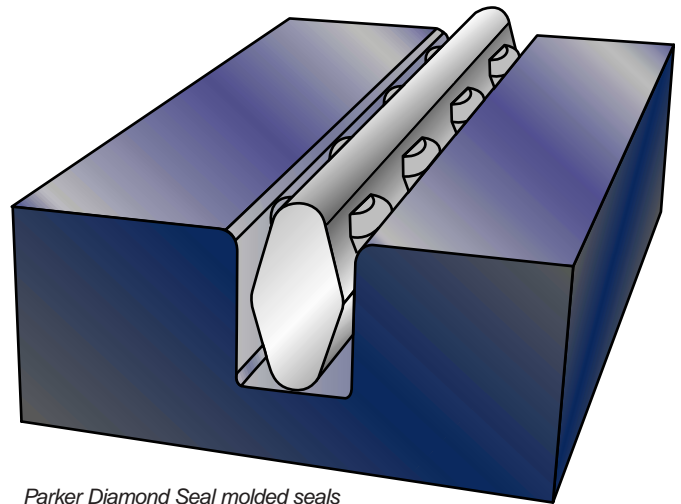
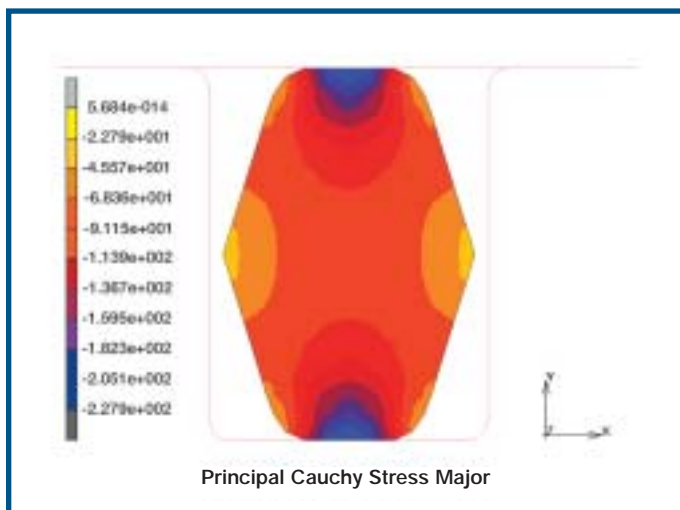
Inherently self-retaining, Parker Diamond Seal™ molded seals are designed to be used in molded or machined grooves for face sealing applications. A smaller footprint and narrow cross section result in high seal pressures, low closure forces, and narrow groove width requirements. The unique design optimizes material usage, making Parker Diamond Seal molded seals highly cost efficient. In addition, they are particularly effective when mating surfaces are less than perfect.

Parker Diamond Seal molded seals can be custom designed to fit both round and complex manifold shapes in the optimal size for your application.

#### Applications

- Cover seals
- Manifold seals
- Face seals with low to moderate system pressures

#### Tensile and Compressive Stresses



Parker Diamond Seal molded seals are retained in narrow, cost-effective, straight-walled grooves.

#### Features and Benefits

- **High sealing pressures** for less micro-leakage (often mistaken as permeation) and better sealing properties with non-ideal mating surfaces.
- **Low seal load** provides effective sealing even when mating components are easily deflected.
- **Narrow straight-walled groove width requirement** allows more room for other components.
- **Optimal material usage** provides a cost-efficient sealing solution.
- **Seal retention** is achieved through the use of “press-in-place” design technology.
- **Easily installed and removed** for rapid assembly.

To realize the many advantages of Parker Diamond Seal molded seals, call (574) 528-9400 or visit [www.parker.com/esd](http://www.parker.com/esd) before the gland is engineered. A Parker application engineer will be able to recommend an optimum groove geometry or design a customized seal to fit your existing application.