



Kalrez[®] perfluoroelastomer
parts

From DuPont Performance Elastomers

Kalrez[®], more than just O-rings

Custom Shaped Parts

Kalrez[®] is the only compound that DuPont Performance Elastomers takes from compound all the way through to production. DuPont Performance Elastomers makes Kalrez[®] into more than just imperial and metric sized O-rings. Kalrez[®] is typically manufactured into custom shapes such as:

- Custom O-ring sizes
- Diaphragms
- Valve seats
- Gaskets
- Packer seals
- T-seals
- Vee rings



Image: Courtesy of DuPont Performance Elastomers

The list above are the most popular custom Kalrez[®] shapes. With the engineering support at DuPont Performance Elastomers you can make virtually any seal shape.

Engineering Support

When working with Hi-Tech Seals and DuPont P.E. to create custom Kalrez[®] parts you will receive support from the industries most knowledgeable and experienced sealing application engineers. As part of DuPont Performance Elastomers' engineering support, customers receive additional tools to help them develop the best seal for their application. Some of the great tools DuPont Performance Elastomers offers are:

- Engineering and application support
- Extensive R&D facility offerings
- Failure analysis capabilities
- Case studies
- Chemical Resistance Guide
- and Kalrez[®] Application Guide

The tools are also a great way to look at and choose the Kalrez[®] compound with the appropriate properties.

Kalrez® Properties

What makes Kalrez® the industries top performing elastomer? Created in the 1960's by DuPont Performance Elastomers, Kalrez® has established itself as the most trusted name for high performance seals. Perfluoroelastomers exhibit peak performance in high temperature range applications and a broader chemical resistance than any other elastomer. Kalrez® has a service temperature up to 327°C and is resistant to more than 1800 chemicals. Kalrez® has the broadest Perfluoroelastomer offering in the industry.

Kalrez® Spectrum™

The Kalrez® product line later grew with the creation of the Spectrum™ compounds. The two most popular compounds to emerge from Spectrum™ are compounds 6375 and 7075. The Kalrez® Spectrum™ compounds offer a further increase to chemicals and high heat capabilities when compared to the original 4079 compound.

There are many specialized Kalrez® compounds that can be used in unique circumstances. The Kalrez® Application Guide, found on at www.dupontelastomers.com, is an excellent tool for finding the compound for you. Unique Spectrum™ compounds is just one more characteristic that makes your custom part more specialized and built for success.

Commitment to Quality

With the support of Hi-Tech Seals Inc. and DuPont Performance Elastomers, parts can be ordered quickly and inventory levels can be maintained. DuPont Performance Elastomers' facilities are ISO 9001 and AS 9100 registered. In addition, all Hi-Tech Seals distribution facilities are under an ISO 9001 Registered Quality Management System. The integrity of your product is protected by the industries highest level of standards.



Kalrez® parts and support are available through Hi-Tech Seals Inc. Please contact one of our sales representatives with your questions.



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