ENERGY
Oil & Gas

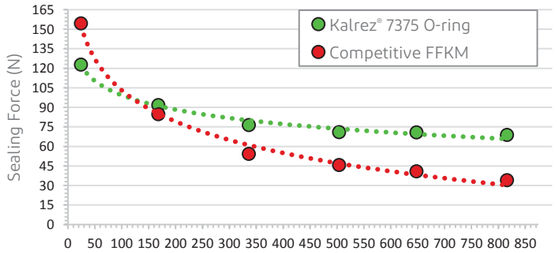
DuPont™ Kalrez® Spectrum™ 7375 Perfluoroelastomer Parts

High Temperature Broad Chemical & Water/Steam Resistance

Excellent broad chemical resistance & seal force retention in hot water/steam

DuPont™ Kalrez® 7375 perfluoroelastomer parts are designed to reliably seal in the most demanding chemical and hot water/steam environments. Thermally stable up to 300 °C, Kalrez® 7375 parts can meet your 80 durometer (Shore A) perfluoroelastomer (FFKM) specifications in numerous shapes and configurations.

Compression Stress Relaxation (CSR) in water*
at 225 °C measured at 90 °C



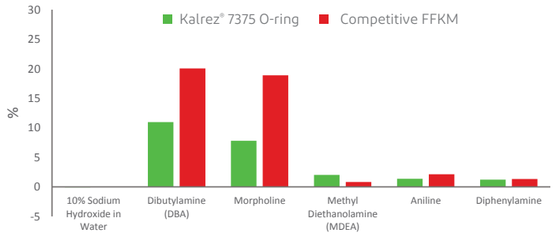
*O-rings tested by compression stress relaxation per SAE J2979 at 20% compression per SAE J2979

Compatible with amines[1] commonly used in the O&G industry

Volume change[2] (%) after 672 hours in several amines at 90 °C

[1]Examples below represent typical analogs of amines found in drilling fluids, corrosion inhibitors, pump oil additives, etc.

[2]Volume change (%) is a good predictor of performance and low values typically translate to compatibility in the chemical environment. Test performed with AS-568 K214 O-rings.



Typical Applications

- Completion tools
- Drilling and wireline tools
- Valves
- Pumps
- Compressors
- Process instrumentation
- Packing systems

Suitable for use in sour service

Tested using the rigorous requirements of ISO 23936-2 at 215 °C after long term exposure to high H_2S content mixture.

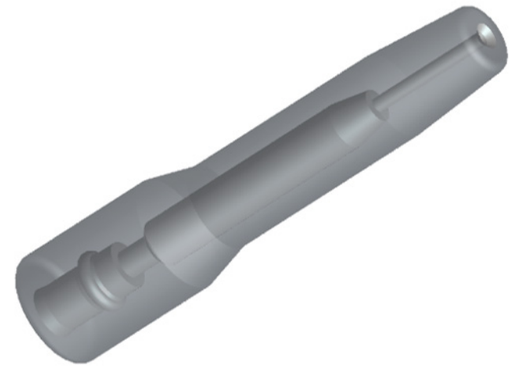
- Hardness within +5/-20 points
- Volume change within +25% / -5%
- M50, Tb, and Eb retention within +/- 50%

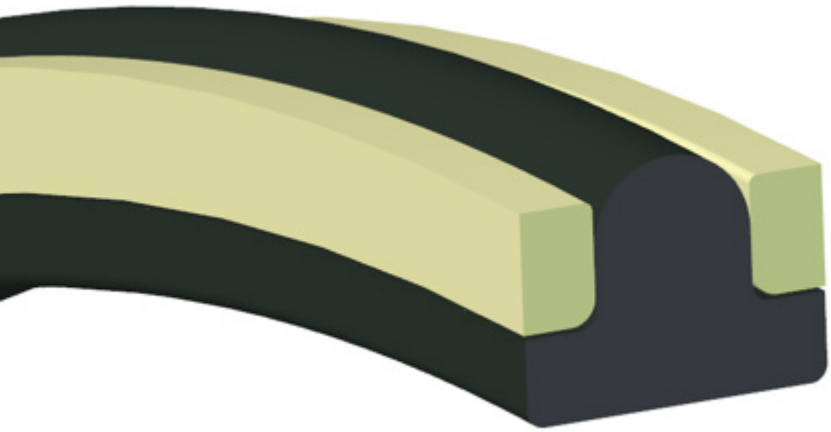
Electrical properties

Kalrez® 7375 parts exhibit excellent insulative properties making it an ideal perfluoroelastomer for use in harsh oil & gas applications such as electrical connectors/boots.

Custom sealing solutions

Our global technology network enables us to collaborate with you to provide a customized design solution to meet your unique sealing needs.





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