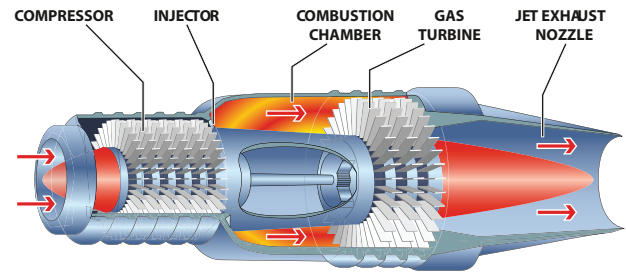


DuPont™ Kalrez® Spectrum™ 7375 Perfluoroelastomer Parts

for gas turbine applications

High performance elastomeric solutions are often used in gas turbine applications, where operating temperatures are usually in the range of 150 °C to 300 °C and fuel can contain moisture. These conditions, coupled with potential steam generation, translate into very aggressive and demanding environments for elastomers. Kalrez® Spectrum™ 7375 perfluoroelastomer (FFKM) seals offer top tier performance in high temperature environments and exhibits superb mechanical property retention when exposed to steam/water, making it an excellent choice for gas turbine sealing applications.



- **Chemicals:** Diesel, Steam
- **Process conditions:** 200 °C
- **Incumbent solution:** Competitive FFKM
- **Incumbent performance:** 6 months before failure

Kalrez® 7375 O-ring performance:

A leading global manufacturer of gas turbines, already using competitive FFKM O-rings, was facing sealing issues. The competitive FFKM O-ring showed signs of severe degradation during their periodic maintenance. Kalrez® Spectrum™ 7375 was introduced to this customer and, after reviewing DuPont internal testing comparing its performance to a competitive FFKM, customer specified Kalrez® Spectrum™ 7375 for use in this gas turbine application to address sealing issues and improve reliability of their equipment.

Sample from field



Used Competitive FFKM O-ring

Internal test



Competitive FFKM O-ring



Kalrez® 7375 O-ring

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(10/2021) Reference: KZE-A40103-00-A1021