

# ORD Problem Solved!

## Parker ULTRA Material FF200-75

### FF200-75 Demonstrates Superior Sealing in Critical Environments



As the leader of cutting edge elastomer technology, Parker provides sealing solutions for even the most extreme sealing applications. Parker's ULTRA series of perfluorinated elastomers (FFKM) was developed specifically for use in critical, demanding applications. They provide exceptional sealing performance in extreme heat and aggressive fluids. Parker material FF200-75, featured in this month's application success story is formulated to withstand long term exposure to heat, maintain high sealing

force retention, low compression set and outstanding mechanical properties. It also provides excellent thermal stability, reduces maintenance costs and improves cost efficiency, safety, and reliability. FF200-75, as well as the entire ULTRA line is exclusive to Parker. These formulations are designed for use in the most extreme, critical environments of energy exploration and production, semiconductor fabrication, aerospace, chemical processing, pharmaceutical, and other harsh fluid handling processes. Call Parker O-Ring Division Business Development Engineers or Application Engineers to see which perfluorinated elastomer will work best for you. ■

## Success Story

### Application:

Heavy truck heated sensor application

### Problem:

The customer was using a standard FKM material and experiencing compression set issues. Due to higher than anticipated operating temperatures, the sensors were not meeting the customers existing service life expectations. This was causing warranty costs to increase. The customer needed a material to withstand the extreme environmental temperatures of their application.

### Parker Solution:

Parker provided samples of FF200-75 as a higher temperature option than FKM, performing in continuous environments as high as 200 to 230°C (392 to 446° F). Previous testing has shown this material to be more robust than the current FKM being used in the customer's application.

### Outcome:

Using FF200-75 in the customer's application has allowed their device to function in a high heat environment without having to add thermal reducing technology or completely redesign all of the sealing joints.