MATERIAL REPORT

DATE: October 2000

TITLE: General evaluation of Parker Compound FF200-75.

PURPOSE: To obtain general data for Parker Compound FF200-75.

CONCLUSION: Parker Compound FF200-75 is an ultra high temperature perfluorinated elastomer.

Recommended temperature limits: 5 to 608 °F

Recommended For
Aliphatic and aromatic hydrocarbons
Chlorinated hydrocarbons
Polar solvents (acetone, methylethylketone, dioxane)
Inorganic and organic acids
Water and steam
High vacuum with minimal loss in weight
Petroleum oil
Wet/dry chlorine

Not Recommended For
Fluorinated refrigerants (R11, 12, 13, 113, 114)
Uranium hexafluoride
Molten Metals
Gaseous and alkali metals
### REPORT DATA

**FF200-75 2-214 O-Rings**

#### Original Physical Properties
- Hardness, Shore A, pts. 79
- Tensile Strength, MPa 12.0
- Elongation, %, min. 124
- Modulus @ 100% Elongation, MPa 7.8

#### Compression Set, 70 Hrs @ 200°C, ASTM D395 Method B
- Set, % 12

#### Compression Set, 70 Hrs @ 316°C, ASTM D395 Method B
- Set, % 45

#### Low Temperature Retraction, ASTM D1329
- TR-10 in degrees C -2

#### Volume Change, 70 Hrs @ RT, ASTM D471
- Acetone, % Volume Change 0.4
- Methyl Ethyl Ketone, % Volume Change 0.2
- Methanol, % Volume Change 0.2
- Benzene, % Volume Change 0.3
- Toluene, % Volume Change 0.3
- Dichloromethane, % Volume Change 0.6
- Chloroform, % Volume Change 0.6
- Ethyl Acetate, % Volume Change 0.4
- MTBE, % Volume Change 0.2
- Glacial Acetic Acid, % Volume Change 0.4
- Conc. Phosphoric Acid, % Volume Change 0.0
- 50/50 by Volume, MEK/Methanol, % Volume Change 0.7
- Tetrahydrofuran (THF), % Volume Change 0.4
- Styrene Monomer, % Volume Change 0.0
- Methyl Methacrylate Monomer, % Volume Change 0.5