



MATERIAL REPORT

DATE: December 2000

- TITLE:** General evaluation of Parker Compound FF352-75.
- PURPOSE:** To obtain general data for Parker Compound FF352-75.
- CONCLUSION:** Parker Compound FF352-75 is a ultra high temperature white 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

	<u>FF352-75 2-214 O-Rings</u>
<u>Original Physical Properties</u>	
Hardness, Shore A, pts.	76
Tensile Strength, MPa	16.9
Elongation, %, min.	142.0
Modulus @ 100% Elongation, MPa	9.2
<u>Compression Set, 70 Hrs @ 200°C, ASTM D395 Method B</u>	
Permanent Set, %	16
<u>Compression Set, 70 Hrs @ 260°C, ASTM D395 Method B</u>	
Permanent Set, %	28
<u>Low Temperature Retraction, ASTM D1329</u>	
TR-10 in degrees C	-1
<u>Volume Change, 70 Hrs @ RT, ASTM D471</u>	
Acetone, % Volume Change	0.2
Methyl Ethyl Ketone, % Volume Change	0.1
Methanol, % Volume Change	0.1
Benzene, % Volume Change	0.2
Toluene, % Volume Change	0.2
Dichloromethane, % Volume Change	0.3
Chloroform, % Volume Change	0.4
Ethyl Acetate, % Volume Change	0.3
MTBE, % Volume Change	0.2
Glacial Acetic Acid, % Volume Change	0.0
Conc. Phosphoric Acid, % Volume Change	0.1
50/50 by Volume, MEK/Methanol, % Volume Change	0.5
Tetrahydrofuran (THF), % Volume Change	0.4
Styrene Monomer, % Volume Change	0.2
Methyl Methacrylate Monomer, % Volume Change	0.3