



MATERIAL REPORT

DATE: March 2001

- TITLE:** General evaluation of Parker Compound FF102-75.
- PURPOSE:** To obtain general data for Parker Compound FF102-75
- CONCLUSION:** Parker Compound FF102-75 is a good acid resistant perfluorinated elastomer.

Recommended temperature limits: 5 to 525 °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>FF102-75 2-214 O-Rings</u>
<u>Original Physical Properties</u>	78
Hardness, Shore A, pts.	1609
Tensile Strength, psi	119
Elongation, %, min.	1406
Modulus @ 100% Elongation, psi	1.94
<u>Compression Set, 70 Hrs @ 175°C</u>	
Set, %	20.00
<u>Compression Set, 70 Hrs @ 230°C</u>	
Set, %	34.80
<u>Fluid Resistance, Butyraldehyde, 70Hrs @ 70°C</u>	
Hardness Change, pts.	-3
Tensile Change, %	-25
Elongation Change, %	7
Volume Change, %	5.60