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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

Parker O-Ring Division
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Lexington, Kentucky 40509
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Compound Data Sheet
Parker O-Ring Division United States

REPORT DATA

<u>ORIGINAL PHYSICAL PROPERTIES</u>	FF102-75
Hardness, Shore A, pts.	<u>2-214 O-rings</u>
Tensile Strength, psi.	78
Elongation, % min.	1609
Modulus @ 100% Elongation, psi	119
Specific Gravity	1406
	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, %	5.6

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