COMPOUND DATA SHEET

Parker O-Ring & Engineered Seals Division United States

MATERIAL REPORT

DATE: July 2001

TITLE: General evaluation of Parker Compound FF500-75.

PURPOSE: To obtain general data for Parker Compound FF500-75

CONCLUSION: Parker Compound FF500-75 is a broad chemical resistance perfluorinated material.

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 & Engineered Seals Division
2360 Palumbo Drive
Lexington, Kentucky 40509
(859) 269-2351

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	FF500-75 2-214 O-Rings
Original Physical Properties	
Hardness, Shore A, pts.	80
Tensile Strength, MPa	14.1
Elongation, %, min.	135
Modulus @ 100% Elongation, MPa	8.7
Compression Set, 22 Hrs @ 230°C, ASTM D395 Method B	
Permanent Set, %	23
Compression Set, 70 Hrs @ 200°C, ASTM D395 Method B	
Permanent Set, %	19
Low Temperature Retraction, ASTM D1329	
TR-10 in degrees C	(-1
Volume Change, 70 Hrs @ RT, ASTM D471	
Acetone, % Volume Change	0.1
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	0.9
Chloroform, % Volume Change	0.6
Ethyl Acetate, % Volume Change	0.4
MTBE, % Volume Change	0.5
Glacial Acetic Acid, % Volume Change	0.3
Conc. Phosphoric Acid, % Volume Change	0.1
50/50 by Volume, MEK/Methanol, % Volume Change	0.7
Tetrahydrofuran (THF), % Volume Change	0.6
Styrene Monomer, % Volume Change	0.3
Methyl Methacrylate Monomer, % Volume Change	0.3

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