MATERIAL REPORT

DATE: July 2001

TITLE: General evaluation of Parker Compound FF354-65.

PURPOSE: To obtain general data for Parker Compound FF354-65

CONCLUSION: Parker Compound FF354-65 is a low closure force, white, 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

Parker O-Ring Division
2360 Palumbo Drive
Lexington, Kentucky 40509
(859) 269-2351

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Compound Data Sheet
Parker O-Ring Division United States

REPORT DATA

	FF354-65 2-214 O-Rings
Original Physical Properties	
Hardness, Shore A, pts.	65
Tensile Strength, MPa	8.0
Elongation, %, min.	277
Modulus @ 100% Elongation, MPa	1.8
Compression Set, 70 Hrs @ 200°C, ASTM D395 Method B	
Permanent Set, %	28
Compression Set, 70 Hrs @ 260°C, ASTM D395 Method B	
Permanent Set, %	41
Low Temperature Retraction, ASTM D1329	
TR-10 in degrees C	-1
Volume Change, 70 Hrs @ RT, ASTM D471	
Acetone, % Volume Change	0.2
Methyl Ethyl Ketone, % Volume Change	0.2
Methanol, % Volume Change	0.1
Benzene, % Volume Change	0.2
Toluene, % Volume Change	0.1
Dichloromethane, % Volume Change	0.3
Chloroform, % Volume Change	0.5
Ethyl Acetate, % Volume Change	0.3
MTBE, % Volume Change	0.1
Glacial Acetic Acid, % Volume Change	0.1
Conc. Phosphoric Acid, % Volume Change	0.1
50/50 by Volume, MEK/Methanol, % Volume Change	0.7
Tetrahydrofuran (THF), % Volume Change	0.4
Styrene Monomer, % Volume Change	0.3
Methyl Methacrylate Monomer, % Volume Change	0.2

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