



COMPOUND DATA SHEET

Parker O-Ring & Engineered Seals Division United States

MATERIAL REPORT

DATE: November 2000

TITLE: General evaluation of Parker Compound FF202-90.

PURPOSE: To obtain general data for Parker Compound FF202-90.

CONCLUSION: Parker Compound FF202-90 is an ultra high temperature perfluorinated material.

Recommended temperature limits: 5 to 608°F

Recommended For

Aliphatic and aromatic hydrocarbons
Chlorinated hydrocarbons
Polar solvents (acetone, methylethylketone, dioxane)
Inorganic and organic acids
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
Hot water and steam



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REPORT DATA

FF202-90 2-214 O-Rings Original Physical Properties

Hardness, Shore A, pts.	91
Tensile Strength, MPa	20.5
Elongation, %, min.	110
Modulus @ 100% Elongation, MPa	15.1

Compression Set, 70 Hrs @ 200°C, ASTM D395 Method B

Permanent Set, %	25
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Low Temperature Retraction, ASTM D1329

TR-10 in degrees C	-2
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Volume Change, 70 Hrs @ RT, ASTM D471

Acetone, % Volume Change	0.5
Methyl Ethyl Ketone, % Volume Change	0.3
Methanol, % Volume Change	0.4
Benzene, % Volume Change	0.4
Toluene, % Volume Change	0.4
Dichloromethane, % Volume Change	0.7
Chloroform, % Volume Change	0.8
Ethyl Acetate, % Volume Change	0.4
MTBE, % Volume Change	0.2
Glacial Acetic Acid, % Volume Change	0.4
Conc. Phosphoric Acid, % Volume Change	0.2
50/50 by Volume, MEK/Methanol, % Volume Change	0.9
Tetrahydrofuran (THF), % Volume Change	0.5
Styrene Monomer, % Volume Change	0.1
Methyl Methacrylate Monomer, % Volume Change	0.6

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