



# COMPOUND DATA SHEET

Parker O-Ring & Engineered Seals Division, North America

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## MATERIAL REPORT

Report Date:11/30/23

**Title:** Evaluation of Parker Compound

**Elastomer Type:** Fluorocarbon (FFKM) FF364-65

**Purpose:** To obtain typical test data.

**Color:** White

**Recommended Temperature Range:** 5°F to 608°F

**Conclusions:** Parker compound FF364-65 is a low closure force, white, high temperature perfluorinated elastomer. Soft properties allow for installation of O-rings and other seals into groove shapes such as dovetails and radius corner designs. FF364-65 seals resist compression set and offer temperature resistance up to 608 F.

**Recommended For:** Aliphatic and aromatic hydrocarbons, chlorinated hydrocarbons, polar solvents (acetone, methylethylketone, dioxane), inorganic and organic acids, bases (under appropriate temperatures), water and steam (under appropriate temperatures), petroleum oil, wet/dry chlorine.

**Not Recommended For:** Fluorinated refrigerants (R11, R12, R13, R113, R114), heat transfer fluids (Fomblin, Novec, ect) uranium hexafluoride, molten metals, gaseous and alkali metals

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"The recording of false, fictitious, or fraudulent statements or entries in this report may be punishable as a felony under federal law."*

**Original Physical Properties**

Hardness, Shore A, pts.

Tensile Strength, psi

Ultimate Elongation

Modulus at 100% Elongation

Specific Gravity

**Test Method**

ASTM D2240

ASTM D1414

ASTM D1414

ASTM D1414

ASTM D297

**Test Results**

67

1506

281

256

2.15

**Compression Set****22 hrs. @ 200°C (392°F)****70 hrs. @ 200°C (392°F)****168 hrs. @ 200°C (392°F)****22 hrs. @ 300°C (572°F)**

ASTM D395 Method B

12

15

20

24