



COMPOUND DATA SHEET

Parker O-Ring Division, North America

MATERIAL REPORT

2/27/2012

Title: Evaluation of Parker Compound

Elastomer Type: Perfluoroelastomer (FFKM) FF302-75

Purpose: To obtain typical test data.

Specification: General Information

Color: Brown

Recommended Temperature Range: 5°F to 608°F

Recommended For: Aliphatic and aromatic hydrocarbons, chlorinated hydrocarbons, polar solvents (acetone, methyl ethyl ketone, dioxane), inorganic and organic acids, water, high vacuum with minimal loss in weight, petroleum oil, wet/dry chlorine, O₂ plasma

Not Recommended For: Fluorinated refrigerants, uranium hexafluoride, molten metals, gaseous alkali metals, super-heated steam

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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

| | TEST | RESULTS |
|--------------------------------|-------------|----------------|
| Hardness, Shore A, Pts. | ASTM D2240 | 75 |
| Tensile Strength psi | ASTM D412 | 1198 |
| Ultimate Elongation, % | ASTM D412 | 210 |
| Modulus @ 100% Elongation, min | ASTM D412 | 562 |
| Specific Gravity | ASTM D297 | 2.10 |

Compression Set**70 hrs @ 446°F**

| | | |
|-------------------------------------|-----------------------|----|
| Percent of Original Deflection, max | ASTM D395 Method B | 19 |
|-------------------------------------|-----------------------|----|