COMPOUND DATA SHEET

Parker O-Ring Division, North America

MATERIAL REPORT

9/19/2007

Title: Evaluation of Parker Compound

Elastomer Type: Perfluoroelastomer (FFKM) FF370-75

Purpose: To obtain typical test data.

Specification: General Information

Color: Black

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, high vacuum with minimal loss in weight, petroleum oil, wet/dry chlorine, plasma

Not Recommended For: Fluorinated refrigerants, uranium hexafluoride, molten metals, gaseous alkali metals, hot water and steam

Original Physical Properties	**Test**	**Result**
Hardness, Shore A, pts.	ASTM D2240	80
Tensile Strength psi	ASTM D1414	1445
Ultimate Elongation, %	ASTM D1414	211
Modulus @ 100% Elongation, min	ASTM D1414	528
Specific Gravity	ASTM D297	2.07
Compression Set		
70 hrs. @ 347°F	ASTM D395	
Percent of Original Deflection, max	Method B	16
Compression Set		
70 hrs. @ 392°F	ASTM D395	
Percent of Original Deflection, max	Method B	16
Compression Set		
70 hrs. @ 480°F	ASTM D395	
Percent of Original Deflection, max	Method B	28
Compression Set		
70 hrs. @ 600°F	ASTM D395	
Percent of Original Deflection, max	Method B	51
Compression Set		
168 hrs. @ 392°F	ASTM D395	
Percent of Original Deflection, max	Method B	20
Fluid Compatibility		
N-Butyl Acetate, 70 hrs. @ Room Temp	ASTM D741	
Harness Change, Shore A pts.		0
Volume Change %		+1