



COMPOUND DATA SHEET

MATERIAL REPORT

LTR Report Number: 85370
Date: 02/02/2012

Title: Evaluation of Parker Compound N0674-70

Elastomer Type: Acrylonitrile-Butadiene (NBR)

Purpose: To obtain typical test data.

Specification: ASTM D2000 M2BF714 B34 E014 E034

Color: Black

Recommended Temperature Range: -30 to 250°F

Recommended For: Aliphatic hydrocarbons (propane, butane, petroleum oil, mineral oil and grease, diesel fuel, fuel oils) vegetable oils, mineral oils, greases, HFA, HFB, and HFC hydraulic fluids, water, salt & alkali solutions, and dilute acids

Not Recommended For: Fuels of high aromatic content, aromatic hydrocarbons (benzene), chlorinated hydrocarbons (trichloroethylene), strong acids, glycols, ozone, weather, atmospheric aging, and polar solvents (ketone, acetone, acetic acid, ethylene-ester)

Additional Approvals: UL Listed
Mil-G-21569, Class 1

REPORT DATA

<u>Original Physical Properties</u>	<u>Test Method</u>	<u>Spec Limits</u>	<u>Test Results</u>
Hardness, Shore A, pts.	ASTM D2240	70 ±5	75
Tensile Strength, PSI	ASTM D412	2031	2698
Ultimate Elongation, %	ASTM D412	250	307
(B34) Compression Set (Plied)			
<u>22 hrs. @ 212°F</u>			
Percent of Original Deflection, Max	ASTM D395 Method B	25	11
Heat Age, (Basic Requirement)			
<u>70 hrs. @ 212°F</u>			
Hardness Change, pts.	ASTM D573	± 15	+4
Tensile Strength Change, %		± 30	+4
Ultimate Elongation Change, %		± 50	-26
(E014) Fluid Resistance			
<u>IRM 901, 70 hrs @ 212°F</u>			
Hardness Change, pts.	ASTM D471	± 10	+2
Tensile Strength Change, %		-25	+4
Ultimate Elongation Change, %		-45	-24
Volume Change, %		-10 to +10	-2
(E034) Fluid Resistance			
<u>IRM 903, 70 hrs @ 212°F</u>			
Hardness Change, pts.	ASTM D471	-20	-3
Tensile Strength Change, %		-45	+5
Ultimate Elongation Change, %		-45	-22
Volume Change, %		0 to +60	+8

"Purchaser use only. Reproduce only in full. Data pertains to items referenced only."
"The recording of false, fictitious, or fraudulent statements or entries in this report may be punishable
as a felony under federal law."