



Compound Data Sheet
O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KK2046

DATE: 2/06/90

TITLE: Evaluation of Parker Compound N0674-70 to ASTM D2000
2BG 720 EA14 E014 E034.

PURPOSE: To document conformance to periodic test.

CONCLUSION: Parker Compound N0674-70 meets the requirements of ASTM
D2000 2 BG 720 EA14 E014 E034.

Recommended Temperature Range: -30 to 250F

Recommended for: petroleum oils, water (up to 212F),
Salt & Alkali solutions, weak acids

Not Recommended for: aromatic fuels, strong acids,
glycols, ozone, polar solvents

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<u>BASIC PROPERTIES</u>	<u>2BG720 EA14 E014 E034</u>	<u>N0674-70 ATM D2000 PLATEN RESULTS</u>
Hardness, Shore A, pts.	70 ± 5	71
Tensile Strength, psi. min.	2000	2546
Elongation, % min.	250	331
 HEAT RESISTANCE		
<u>70 HRS. @ 212°F</u>		
Hardness chg. pts.	±15	+6
Tensile Strength chg, %	±30	+6.3
Elongation chg, % max.	-50	-30.2
 COMPRESSION SET,		
<u>22 HRS. @ 212°F</u>		
% of original deflection, max.	50	12.6
 EA14 WATER RESISTANCE,		
<u>70 HRS. @ 212°F</u>		
Hardness chg. pts.	±10	+1
Volume chg, % max.	±15	+1.1
 EO14 ASTM #1 OIL,		
<u>70 HRS. @ 212°F</u>		
Hardness chg. pts.	-5 to +10	+3
Tensile Strength chg, % max	-25	+5.5
Elongation chg, % max	-45	-15.1
Volume chg, %	-10 to +5	-2.3
 EO34 ASTM #3 OIL,		
<u>70 HRS. @ 212°F</u>		
Hardness chg. pts.	-10 to +5	-7
Tensile Strength chg, % max	-45	+2.9
Elongation chg, % max	-45	-7.9
Volume chg, %	0 to +25	+13.5