



# 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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# REPORT DATA

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N0674-70  
ATM D2000  
PLATEN  
RESULTS

## BASIC PROPERTIES

2BG720 EA14 E014 E034

Hardness, Shore A, pts.  
Tensile Strength, psi. min.  
Elongation, % min.

70 ± 5  
2000  
250

71  
2546  
331

## HEAT RESISTANCE

70 HRS. @ 212°F

Hardness chg. pts.  
Tensile Strength chg, %  
Elongation chg, % max.

±15  
±30  
-50

+6  
+6.3  
-30.2

## COMPRESSION SET,

22 HRS. @ 212°F

% of original deflection, max.

50

12.6

## EA14 WATER RESISTANCE,

70 HRS. @ 212°F

Hardness chg. pts.  
Volume chg, % max.

±10  
±15

+1  
+1.1

## EO14 ASTM #1 OIL,

70 HRS. @ 212°F

Hardness chg. pts.  
Tensile Strength chg, % max  
Elongation chg, % max  
Volume chg, %

-5 to +10  
-25  
-45  
-10 to +5

+3  
+5.5  
-15.1  
-2.3

## EO34 ASTM #3 OIL,

70 HRS. @ 212°F

Hardness chg. pts.  
Tensile Strength chg, % max  
Elongation chg, % max  
Volume chg, %

-10 to +5  
-45  
-45  
0 to +25

-7  
+2.9  
-7.9  
+13.5