



MATERIAL REPORT

Date: 06/01/99

TITLE: Evaluate Parker's Compound N1470-70 per ASTM D2000
2BG720 B14 EA14 EO14 EO34 EF11 EF21 .

PURPOSE: General Data.

CONCLUSION: Parkers Compound N1470-70 passes all requirements of the
subject specification.

Recommended Temperature Range: -40 to 225F

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

| | 2BG720 B14 EF11 | PLATENS |
|---|----------------------------|-----------------|
| <u>ORIGINAL PHYSICAL PROPERTIES</u> | <u>EF21 EO34 EA14 EO14</u> | <u>COMPOUND</u> |
| | | <u>N1470-70</u> |
| Hardness, Shore A, pts. | 70 | 67 |
| Tensile Strength, psi. | 2000 | 2044 |
| Elongation, % | 250 | 300 |
| | | |
| B14 COMPRESSION SET, <u>22 HRS. @ 212°F</u> | | |
| Deflection, % | 25 | 13 |
| | | |
| EA14 FLUID IMMERSION, WATER, <u>70 HRS. @ 212°F</u> | | |
| Hardness Change, pts. | +/-10 | -2 |
| Volume Change, % | +/-15 | +10 |
| | | |
| EO14 FLUID IMMERSION, ASTM #1 OIL <u>70 HRS. @ 212°F</u> | | |
| Hardness Change, pts. | -5 to +10 | +8 |
| Tensile Change, % | -25 | +4 |
| Elongation Change, % | -45 | -34 |
| Volume Change, % | -10 to +5 | -9.0 |
| | | |
| EO34 FLUID IMMERSION, ASTM #1 OIL <u>70 HRS. @ 212°F</u> | | |
| Hardness Change, pts. | -10 to +5 | -3 |
| Tensile Change, % | -45 | +3 |
| Elongation Change, % | -45 | -19 |
| Volume Change, % | 0 to +25 | +22 |
| | | |
| EF11 FLUID IMMERSION, FUEL A <u>70 HRS. @ R.T.</u> | | |
| Hardness Change, pts. | +/-10 | -1 |
| Tensile Change, % | -25 | -9 |
| Elongation Change, % | -25 | -22 |
| Volume Change, % | -5 to +25 | 0 |
| | | |
| EF21 FLUID IMMERSION, FUEL B <u>70 HRS. @ R.T.</u> | | |
| Hardness Change, pts. | 0 to -30 | -12 |
| Tensile Change, % | -60 | -33 |
| Elongation Change, % | -60 | -37 |
| Volume Change, % | 0 to +40 | +22 |