



MATERIAL REPORT

Date: 05/14/99

TITLE: Evaluate Parker's Compound N1500-75 per ASTM D2000
M4BK710 A24 B14 EA14 EF11 EF21 .

PURPOSE: General Data.

CONCLUSION: Parkers Compound N1500-75 passes all requirements of the
subject specification.

Recommended Temperature Range: -35 to 212F

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

| <u>ORIGINAL PHYSICAL PROPERTIES</u> | M4BK710 A24 <u>B14 EF11 EF21 Z1</u> | PLATENS COMPOUND <u>N1500-75</u> |
|-------------------------------------|--|--|
| Hardness, Shore A, pts. (Z1) | 75 +/-5 | 75 |
| Tensile Strength, MPa. | 10 | 11.5 |
| Elongation, % | 200 | 250 |
| | | |
| A24 HEAT AGING | | |
| <u>70HRS. @ 100C</u> | | |
| Hardness Change, pts | +/-10 | +6 |
| Tensile Change, % | -20 | +18 |
| Elongation Change, % | -30 | -19 |
| | | |
| B14 COMPRESSION SET | | |
| <u>22 HRS. @ 100C</u> | | |
| Permanent Set, % | 25 max. | 9.1 |
| | | |
| EF11 FLUID IMMERSION, FUEL A | | |
| <u>70 HRS. @ R.T.</u> | | |
| Hardness Change, pts. | +/-5 | +1 |
| Tensile Change, % | -20 | +7 |
| Elongation Change, % | -20 | +4 |
| Volume Change, % | +/-5 | +0.8 |
| | | |
| EF21 FLUID IMMERSION, FUEL B | | |
| <u>70 HRS. @ R.T.</u> | | |
| Hardness Change, pts. | 0 to -20 | -12 |
| Tensile Change, % | -50 | -9 |
| Elongation Change, % | -50 | -16 |
| Volume Change, % | 0 to +25 | +16.4 |