



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

Parker O-Ring Division
2360 Palumbo Drive
Lexington, Kentucky 40512
(859) 269-2351

REPORT DATA

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>M4BK710 A24</u> <u>B14 EF11 EF21 Z1</u>	<u>PLATENS</u> <u>COMPOUND</u> <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