



MATERIAL REPORT

Date: 11/09/98

TITLE: Evaluate Parker's Compound N1499-70 per ASTM D2000
2BG714 B34 EA14 EO14 EO34 EF11 EF21 .

PURPOSE: General Data.

CONCLUSION: Parkers Compound N1499-70 passes all requirements of the
subject specification.

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

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

REPORT DATA

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>2BG714 B34 EF11 EF21 EO34 EA14 EO14</u>	<u>PLATENS COMPOUND N1499-70</u>
Hardness, Shore A, pts.	70 +/-5	67
Tensile Strength, psi.	1400	2044
Elongation, %	250	300
B34 COMPRESSION SET <u>22HRS @ 212F</u>		
Original Deflection, %	25	6.0
EA14 FLUID IMMERSION, WATER, <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	+/-10	+1
Volume Change, %	+/-15	+6
EO14 FLUID IMMERSION, ASTM #1 OIL <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	-5 to +10	+2
Tensile Change, %	-25	+10.5
Elongation Change, %	-45	-7.9
Volume Change, %	-10 to +5	-2.1
EO34 FLUID IMMERSION, ASTM #1 OIL <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	-10 to +5	-6
Tensile Change, %	-45	-7
Elongation Change, %	-45	-2
Volume Change, %	0 to +25	+12
EF11 FLUID IMMERSION, FUEL A <u>70 HRS. @ R.T.</u>		
Hardness Change, pts.	+/-10	-2
Tensile Change, %	-25	-7.7
Elongation Change, %	-25	+3.0
Volume Change, %	-5 to +25	+2.6
EF21 FLUID IMMERSION, FUEL B <u>70 HRS. @ R.T.</u>		
Hardness Change, pts.	0 to -30	-15
Tensile Change, %	-60	-46.9
Elongation Change, %	-60	-26.5
Volume Change, %	0 to +40	+37