



MATERIAL REPORT

Date: 10/02/95

TITLE: Evaluate Parker's Compound N1490-90 per ASTM D2000
M7BG910 EA14 EO14 EO34 EF11 EF21 .

PURPOSE: General Data.

CONCLUSION: Parkers Compound N1490-90 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

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REPORT DATA

<u>ORIGINAL PHYSICAL PROPERTIES</u>	M7BG910 EF11 <u>EF21 EO34 EA14 EO14</u>	PLATENS COMPOUND <u>N1490-90</u>
Hardness, Shore A, pts.	90 +/-5	87
Tensile Strength, psi.	1450	2006
Elongation, %	100	164
EA14 FLUID IMMERSION, WATER, <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	+/-10	-3
Volume Change, %	+/-15	+10
EO14 FLUID IMMERSION, ASTM #1 OIL <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	-5 to +10	+4
Tensile Change, %	-25	+15
Elongation Change, %	-45	-13
Volume Change, %	-10 to +5	-5
EO34 FLUID IMMERSION, ASTM #3 OIL <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	-10 to +5	-5
Tensile Change, %	-45	+13
Elongation Change, %	-45	-11
Volume Change, %	0 to +25	+9
EF11 FLUID IMMERSION, FUEL A <u>70 HRS. @ R.T.</u>		
Hardness Change, pts.	+/-10	-3
Tensile Change, %	-25	+12
Elongation Change, %	-25	+7.0
Volume Change, %	-5 to +25	+1.0
EF21 FLUID IMMERSION, FUEL B <u>70 HRS. @ R.T.</u>		
Hardness Change, pts.	0 to -30	-19
Tensile Change, %	-60	-13
Elongation Change, %	-60	-20
Volume Change, %	0 to +40	+25