



MATERIAL REPORT

Date: 07/27/99

TITLE: Evaluate Parker's Compound N1444-90 per ASTM D2000 M3CH910 A25 B14 EO36 .

PURPOSE: General Data.

CONCLUSION: Parkers Compound N1444-90 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

	M3CH910	PLATENS
<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>A25 B14 EO16</u>	<u>COMPOUND</u>
		<u>N1444-90</u>
Hardness, Shore A, pts.	90 +/-5	87
Tensile Strength, MPa.	10	16.1
Elongation, %	100	142
A25 HEAT AGING		
<u>70 HRS @ 125C</u>		
Hardness Change, %	0 to +15	+4
Tensile Change, %	-25	-13
Elongation Change, %	-50 max	-42
B14 COMPRESSION SET		
<u>22 HRS @ 100C</u>		
Compression Set, %	25 max	7
EO16 FLUID IMMERSION, ASTM #1 OIL		
<u>70 HRS. @ 150°C</u>		
Hardness Change, pts.	0 to +10	+3
Tensile Change, %	-20	-19
Elongation Change, %	-40	-32
Volume Change, %	-15 to +5	-3.1