



MATERIAL REPORT

REPORT NUMBER: KK1827

DATE: 09/29/86

TITLE: Evaluation of Parker Compound N1069-70 for FDA Compliance.

PURPOSE: General data.

CONCLUSION: Parker compound N1069-70 meets all FDA qualifications.

Recommended Temperature Range: -30 to 180F

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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<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>COMPOUND N1069-70</u> <u>2-214 O-RINGS</u>
Hardness, Shore A, pts.	70
Tensile Strength, psi.	1287
Elongation, %	458
Modulus 100%	297
Specific Gravity	1.26
 <u>HEAT AGE, 70 HRS. @ 257°F</u>	
Hardness Change, pts.	+8
Tensile Change, %	+13
Elongation Change, %	-55
 <u>FLUID IMMERSION, ASTM #1</u> <u>70 HRS. @ 302°F</u>	
Hardness Change, pts.	+4
Tensile Change, %	+5.1
Elongation Change, %	-46
Volume Change, %	- 1.9
 <u>FLUID IMMERSION, ASTM #3</u> <u>70 HRS. @ 302°F</u>	
Hardness Change, pts.	-2
Tensile Change, %	-36
Elongation Change, %	-51
Volume Change, %	+16
 <u>FLUID IMMERSION, DISTILLED WATER</u> <u>22 HRS. @ 158°F</u>	
Hardness Change, pts.	-2
Weight Change, %	-20
Volume Change, %	+20
 <u>FLUID IMMERSION, BUTTER OIL</u> <u>22 HRS. @ 158°F</u>	
Hardness Change, pts.	-2
Weight Change, %	-1.4
Volume Change, %	+1.4
 <u>TR-10°F</u>	 -21
 <u>HEXANE EXTRACTION</u>	 Pass
 <u>COMPRESSION SET,</u> <u>70 HRS. @ 212°F</u>	
% of Original Deflection	38