



Compound Data Sheet
O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KK1763

DATE: 08/13/85

TITLE: Evaluation of Parker's Compound N0951-75 to ASTM D2000
3CH 815 A25, B34, E016, E036, Z1 (Durometer = 75± 5 pts.)

CONCLUSION: Compound N0951-75 meets or exceeds all requirements of
subject specification.

Recommended Temperature Range: -25 to 275F

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>	ASTM D2000 3CH 815, A25, B34 <u>E016, E036, Z1</u>	PARKER N0951-75 <u>PLATENS</u>
Hardness, Shore A, pts.	80	78
Tensile Strength, psi.	1450	2328
Elongation, %	125	125
 <u>HEAT AGED, ASTM D573</u> <u>70 HRS. @ 257°F</u>		
Hardness Change, pts.	0 to +15	+7
Tensile Strength Change, %	-25	+ 3.6
Elongation Change, %	-50	-44
 <u>COMPRESSION SET, ASTM D395</u> <u>22 HRS. @ 212°F</u>		
% of Original Deflection	25	7.4
 <u>FLUID IMMERSION, ASTM D471</u> <u>ASTM #1 OIL, 70 HRS. @ 302°F</u>		
Hardness Change, pts.	0 to +10	+3
Tensile Strength Change, %	-20	+2.8
Elongation Change, %	-40	-12
Volume Change, %	-15 to +5	+ 1.1
 <u>FLUID IMMERSION, ASTM D471,</u> <u>ASTM #3, OIL 70 HRS. @ 302°F</u>		
Hardness Change, pts.	±10	- 6
Tensile Strength Change, %	-35	-27.6
Elongation Change, %	-35	-20
Volume Change, %	0 to +25	+15.6
 Z(1) DUROMETER, PTS.	 75 ± 5	 78