



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

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

# REPORT DATA

Report Number: KK1763

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>ASTM D2000</u> 3CH 815, A25, B34 <u>E016, E036, Z1</u>	<u>PARKER</u> 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