



Compound Data Sheet
O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KK1775B

DATE: 12/17/87

TITLE: Testing of Parker Compound N1090-85.

PURPOSE: To provide general data.

REVISIONS: A: Complete Revision, 12/09/85
B: Revised Hardness 80 to 85, 12/17/87

Recommended Temperature Range: -25 to 225F

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: KK1775B

	*COMPOUND
	N1090-85
	<u>B/N 271475</u>
<u>ORIGINAL PHYSICAL PROPERTIES</u>	
Hardness, Shore A, pts.	85
Tensile Strength, psi.	2574
Elongation, %	150
100% Modulus	1683
Specific Gravity	1.25
<u>HEAT AGING</u>	
<u>70 HRS. @ 257°F</u>	
Hardness Change, pts.	+ 7
Tensile Change, %	+ 18.3
Elongation Change, %	- 13.3
<u>FLUID IMMERSION, ASTM #1</u>	
<u>70 HRS. @ 212°F</u>	
Hardness Change, pts.	0
Tensile Change, %	+ 7.7
Elongation Change, %	- 17.3
Volume Change, %	- 2.2
<u>FLUID IMMERSION, ASTM #3,</u>	
<u>70 HRS. @ 212°F</u>	
Hardness Change, pts.	- 5
Tensile Change, %	+ 4.5
Elongation Change, %	+ 6.7
Volume Change, %	+ 8.9
<u>COMPRESSION SET,</u>	
<u>70 HRS. @ 212°F</u>	
% of Original Deflection	28.6

*ASTM Test Slabs