



Compound Data Sheet
O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KK1256 (ref.)
DATE: 06/25/75

TITLE: Evaluation of Parker Compound N0507-90 to ASTM D2000
6BG 910 B 14 E014 E034 F17.

PURPOSE: To document conformance to specification.

CONCLUSION: Parker Compound N0507-90 meets the requirements of the
ASTM D2000 Call-out.

Recommended Temperature Range: -65 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>BASIC PROPERTIES</u>	<u>6BG915B14E014E034F17</u>	<u>N0507-90 ATM D2000 PLATEN RESULTS</u>
Hardness, Shore A, pts.	90 ± 5	85
Tensile Strength, psi. min.	1500	1753
Elongation, % min.	100	115
 *HEAT RESISTANCE		
<u>70 HRS. @ 257°F</u>		
Hardness chg. pts.	0 to15	+5
Tensile Strength chg, %	-25	0
Elongation chg, % max.	-50	-47
 B14 COMPRESSION SET,		
<u>22 HRS. @ 212°F</u>		
% of original deflection, max.	25	7
 *EO15 ASTM #1 OIL,		
<u>70 HRS. @ 257°F</u>		
Hardness chg. pts.	-0 to +10	+7
Tensile Strength chg, % max	-20	-14
Elongation chg, % max	-35	-26
Volume chg, %	-15 to +5	-7
 *EO35ASTM #3 OIL,		
<u>70 HRS. @ 257E</u>		
Hardness chg. pts.	+/-10	-10
Tensile Strength chg, % max	-15	-4
Elongation chg, % max	-30	-22
Volume chg, %	0 to +25	+13
 F17 ASTM D2137		
LOW TEMP BRITTLENESS,		
3 min @ -40 F	pass	pass

* Test temp 257 instead of 212. The limits are tighter for EO15 and EO35, and the test temp is higher.