



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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REPORT DATA

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N0507-90
ATM D2000
PLATEN
RESULTS

BASIC PROPERTIES

6BG915B14E014E034F17

Hardness, Shore A, pts.
Tensile Strength, psi. min.
Elongation, % min.

90 ± 5
1500
100

85
1753
115

*HEAT RESISTANCE

70 HRS. @ 257°F

Hardness chg. pts.
Tensile Strength chg, %
Elongation chg, % max.

0 to15
-25
-50

+5
0
-47

B14 COMPRESSION SET,

22 HRS. @ 212°F

% of original deflection, max.

25

7

*EO15 ASTM #1 OIL,

70 HRS. @ 257°F

Hardness chg. pts.
Tensile Strength chg, % max
Elongation chg, % max
Volume chg, %

-0 to +10
-20
-35
-15 to +5

+7
-14
-26
-7

*EO35ASTM #3 OIL,

70 HRS. @ 257E

Hardness chg. pts.
Tensile Strength chg, % max
Elongation chg, % max
Volume chg, %

+/-10
-15
-30
0 to +25

-10
-4
-22
+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.