MATERIAL REPORT

REPORT NUMBER: KK1775B
DATE: 12/17/87


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

ORIGINAL PHYSICAL PROPERTIES
B/N 271475
Hardness, Shore A, pts. 85
Tensile Strength, psi. 2574
Elongation, % 150
100% Modulus 1683
Specific Gravity 1.25

HEAT AGING
70 HRS. @ 257°F
Hardness Change, pts. + 7
Tensile Change, % + 18.3
Elongation Change, % - 13.3

FLUID IMMERSION, ASTM #1
70 HRS. @ 212°F
Hardness Change, pts. 0
Tensile Change, % + 7.7
Elongation Change, % - 17.3
Volume Change, % - 2.2

FLUID IMMERSION, ASTM #3,
70 HRS. @ 212°F
Hardness Change, pts. - 5
Tensile Change, % + 4.5
Elongation Change, % + 6.7
Volume Change, % + 8.9

COMPRESSION SET,
70 HRS. @ 212°F
% of Original Deflection 28.6

*ASTM Test Slabs