MATERIAL REPORT

DATE: 12/23/93

TITLE: Evaluation of Parker’s Compound NA155-80

CONCLUSION: Compound NA155-80 meets or exceeds all requirements of subject specification.

Recommended Temperature Range: -25 to 250F

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

<table>
<thead>
<tr>
<th>Test Results</th>
<th>Original Physical Properties, ASTM D1414, D2240</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Hardness, Shore A, pts.</td>
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<tr>
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<td>Tensile Strength, psi</td>
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<td>Ultimate Elongation, %</td>
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<td>Modulus @ 100%, psi</td>
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</tbody>
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**Compression Set, ASTM D395 Method B**  
(22 hrs. @ 257°F)  
Percent of Original Deflection: 40

**Dry Heat Resistance, ASTM D573**  
(70 hrs. @ 257°F)  
Hardness Change, pts. +8  
Tensile Change, % -11  
Elongation Change, % -50

**Fluid Immersion, ASTM D471**  
ASTM #1 Oil, (70 hrs. @ 302°F)  
Hardness Change, pts. +8  
Tensile Change, % -15  
Elongation Change, % -44  
Volume Change, % -9

**Fluid Immersion, ASTM D471**  
ASTM #3 Oil, (70 hrs. @ 302°F)  
Hardness Change, pts. -2  
Tensile Change, % -31  
Elongation Change, % -40  
Volume Change, % +6

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