MATERIAL REPORT
Date: 01/10/1991

TITLE: Evaluation of Parker Compound EA454-50 (3575)
PURPOSE: To obtain general data for EA454 -50

Recommended temperature limits: -70°F to 250°F

Recommended For
Hot water and steam
Glycol based brake fluid
Many organic and inorganic acids
Cleaning agents, soda and potassium alkalis
Phosphate –ester based hydraulic fluids
Silicone oil and grease
Polar solvents
Ozone, Aging and weather resistance

Not Recommended For
Mineral oil products
REPORT DATA

<table>
<thead>
<tr>
<th>EA454-50 Test Platen</th>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Basic Physical Properties</strong></td>
<td></td>
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<tr>
<td>Hardness, Shore A, pts.</td>
<td>54</td>
</tr>
<tr>
<td>Tensile Strength, psi</td>
<td>1595</td>
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<tr>
<td>Elongation, %</td>
<td>400</td>
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<tr>
<td>Modulus @ 100%, psi</td>
<td>290</td>
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<tr>
<td>Specific Gravity</td>
<td>1.1</td>
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</tbody>
</table>

**Dry Heat Resistance, 70 H @ 302 °F**
- Hardness Change, pts. +5
- Tensile Change, % +8
- Elongation Change, % -6

**Compression Set, 22 H @ 302 °F**
- Percent of original deflection (plied) 12

**Fluid Immersion, Water, 70 H @ 212 °F**
- Hardness Change, pts. +2
- Tensile Change, % -5
- Elongation Change, % -3
- Volume Change, % +3

**Fluid Immersion, 50% Ethylene Glycol / 50% Water, 70 H @ 257 °F**
- Volume Change, % +1

**Fluid Immersion, Hyjet 4A+, 70 H @ 250 °F**
- Volume Change, % +10

**Fluid Immersion, DOT 3 Brake Fluid, 70 H @ 257 °F**
- Volume Change, % +2

**Low Temperature Brittleness**
- **TR-10, °F** -72

**Low Temperature Brittleness**
- Nonbrittle after 3 min. @ -67 °F Passed