MATERIAL REPORT

REPORT NUMBER:  
DATE: 5/18/2001

TITLE: Evaluation of Parker Compound VA153-90 (19359)

PURPOSE: To obtain general information

Recommended temperature limits: -15°F to 400°F

Recommended For

- Petroleum, mineral, and vegetable oils
- Silicone fluids
- Aromatic hydrocarbons (benzene, toluene)
- Chlorinated hydrocarbons
- High vacuum
- Ozone, weather, aging resistance

Not Recommended For

- Hot water and steam
- Auto and aircraft brake fluids
- Amines
- Ketones
- Low molecular weight esters and ethers
### REPORT DATA

**Original Physical Properties, ASTM D412, D2240**
- Hardness, Shore A, pts. 87
- Tensile Strength, psi 1874
- Ultimate Elongation, % 117

**Compression Set, ASTM D395 Method B (22 hrs. @ 392°F)**
- Percent of Original Deflection (plied) 17

**Dry Heat Resistance, ASTM D573 (70 hrs. @ 527°F)**
- Hardness Change, pts. +3
- Tensile Change, % +8
- Elongation Change, % -8

**Fluid Immersion, ASTM D471 Fuel C, (70 hrs. @ 73°F)**
- Hardness Change, pts. -3
- Tensile Change, % -6
- Elongation Change, % -17
- Volume Change, % +6

**Fluid Immersion, ASTM D471 ASTM Service Fluid #101, (70 hrs. @ 392°F)**
- Hardness Change, pts. -2
- Tensile Change, % +2
- Elongation Change, % -8
- Volume Change, % +8

**Low Temperature Brittleness, ASTM D2137**
- Nonbrittle after 3 min. @ -13°F Passed