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Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KK1903A

DATE: 01/05/88

TITLE: Evaluation of Parker Compound S1138-70 per FDA requirements.
PURPOSE: To determine if S1138-70 meets the requirements and obtain general data.
CONCLUSION: Compound S1138-70 meets the requirements.

Recommended temperature limits: -60⁰F to 400⁰F

Recommended For

Dry heat

Some petroleum oils

Moderate water resistance

Fire resistant hydraulic fluids (HFD-R and HFD-S)

Ozone, aging, and weather resistance

Low temperature

Not Recommended For

Ketones

Acids

Silicone oils

Auto and aircraft brake fluid

Parker O-Ring Division
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REPORT DATA

Report Number: KB4403

| | S1138-70 Platen Results |
|------------------------------------------------------------------------|------------------------------------------|
| <u>Basic Physical Properties</u> | |
| Hardness | 70 |
| Tensile Strength, psi min | 1025 |
| Elongation, % | 175 |
| Modulus @ 100%, psi | 675 |
| Specific Gravity | 1.41 |
| <u>Fluid Immersion, Butteroil,</u> <u>22 HRS @ 158^oF</u> | |
| Hardness Change, pts | -4 |
| Weight Change, % | +0.6 |
| Volume Change, % | +0.8 |
| <u>Fluid Immersion, Water,</u> <u>22 HRS @ 158^oF</u> | |
| Hardness Change, pts | -1 |
| Weight Change, % | +1.1 |
| Volume Change, % | +1.3 |
| <u>Temperature Retraction</u> | |
| TR10 ^o F | -41 |
| <u>Hexan Extraction</u> | |
| 7 HRS @ 154 ^o F, mg/in ² | Pass |
| 2 HRS @ 154 ^o F, mg/in ² | Pass |