



MATERIAL REPORT

TITLE: Parker Compound V0680-70

PURPOSE: To provide a general profile of this material.

CONCLUSION: This compound is not evaluated to an ASTM D2000 specification. Data is for reference only.

Recommended Temperature Range: -15°F to 400°F

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REPORT DATA

| ASTM D2000 <u>ORIGINAL PHYSICALS</u> | M4HK710A1-10 <u>EF31EO78</u> | V0680-70 <u>Results</u> |
|---|---------------------------------|----------------------------|
| Hardness | 70 ± 5 | 65 |
| Tensile Strength, psi, min. | 1450 | 1290 |
| Elongation, %, min. | 175 | 335 |
| Specific Gravity | As Determined (+/-0.02) | 2.20 |
| A1-10 HEAT AGE | | |
| <u>70 HRS. @ 250°C (482°F)</u> | | |
| Hardness Change, % | + 10 | +3 |
| Tensile Change, % | - 25 | +14.4 |
| Elongation, % | - 25 | -2.7 |
| FLUID IMMERSION | | |
| FUEL B | | |
| <u>70 HRS @ 23°C (73°F)</u> | | |
| Hardness, pts (Chg, pts) | ± 5 | +2 |
| Tensile Strength, psi (Chg %) | -25 max | -16.7 |
| Elongation Decrease, (Chg %) | -20 max | -4.9 |
| Volume Change, % | 0 to +10 | +2.0 |
| FLUID IMMERSION | | |
| FUEL C | | |
| <u>70 HRS @ 23°C (73°F)</u> | | |
| Volume Change, % | 0 to +10 | +4.0 |
| (EO78) FLUID IMMERSION | | |
| SERVICE LIQUID NO. 101 | | |
| <u>70 HRS @ 200°C (392°F)</u> | | |
| Hardness, pts (Chg, pts) | -15 to +5 | -6 |
| Tensile Strength, psi (Chg %) | -40 max | -4 |
| Elongation Decrease, (Chg %) | -20 max | +17.2 |
| Volume Change, % | 0 to +15 | +12.3 |