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# 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