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# MATERIAL REPORT

**TITLE:** Evaluate Parker NSF 61 Compound N1510-70 per ASTM D2000 M2BG714 EA14 EO14 EO34 EF11 EF21 .

**PURPOSE:** General Data.

**CONCLUSION:** Parkers Compound N1510-70 passes all requirements of the subject specification.

**Recommended Temperature Range:** -30 to 225F

**Recommended for:** petroleum oils, water (up to 212F),  
Salt & Alkali solutions, weak acids

**Not Recommended for:** aromatic fuels, strong acids,  
glycols, ozone, polar solvents

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## REPORT DATA

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>M2BG714 EF11</u> <u>EF21 EO34 EA14 EO14</u>	<u>PLATENS</u> <u>COMPOUND</u> <u>N1510-70</u>
Hardness, Shore A, pts.	70 +/-5	69
Tensile Strength, MPa.	14	16.2
Elongation, %	250	324
EA14 FLUID IMMERSION, WATER, <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	+/-10	-2
Volume Change, %	+/-15	+4.1
EO14 FLUID IMMERSION, ASTM #1 OIL <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	-5 to +10	+8
Tensile Change, %	-25	+9
Elongation Change, %	-45	-17
Volume Change, %	-10 to +5	-10
EO34 FLUID IMMERSION, IRM 903 OIL <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	-10 to +5	-1
Tensile Change, %	-45	+9
Elongation Change, %	-45	-16
Volume Change, %	0 to +25	-0.3
EF11 FLUID IMMERSION, FUEL A <u>70 HRS. @ R.T.</u>		
Hardness Change, pts.	+/-10	-4
Tensile Change, %	-25	-3
Elongation Change, %	-25	-4
Volume Change, %	-5 to +25	-0.4
EF21 FLUID IMMERSION, FUEL B <u>70 HRS. @ R.T.</u>		
Hardness Change, pts.	0 to -30	-18
Tensile Change, %	-60	-35
Elongation Change, %	-60	-33
Volume Change, %	0 to +40	+18