



Compound Data Sheet  
O-Ring Division United States

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# MATERIAL REPORT

REPORT NUMBER: KK1896  
DATE: 06/03/87

**TITLE:** Evaluate Parker's Compound N0406-60 per ASTM D2000-80  
M5BG614 A14 B14 EA14 EO14 Z9.

**PURPOSE:** General Data.

**CONCLUSION:** Parkers Compound N0406-60 passes all requirements of the  
subject specification.

**Recommended Temperature Range:** -40 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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<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>M5BG614 A14</u> <u>B14 EA14 EO14 Z9</u>	<u>PLATENS</u> <u>COMPOUND</u> <u>N0406-60</u>
Hardness, Shore A, pts.	60	60
Tensile Strength, psi.	2031	2289
Elongation, %	300	500
A14 HEAT RESISTANCE, <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	+15	+3
Tensile Change, %	-20	+3.0
Elongation Change, %	-40	-20.0
B14 COMPRESSION SET, <u>22 HRS. @ 212°F</u>		
Deflection, %	25	7.2
EA14 FLUID IMMERSION, WATER, <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	no reqd	+3
Volume Change, %	no reqd	+1.4
EO14 FLUID IMMERSION, ASTM #1 OIL <u>70 HRS. @ 212°F</u>		
Hardness Change, pts.	-5 to +15	+4
Tensile Change, %	-25	-0.8
Elongation Change, %	-45	-20.0
Volume Change, %	-10 to +5	-6.0
Z9 COMPRESSION SET, CITGO EP150 GEAR OIL, <u>70 HRS. @ 212°F</u>		
Deflection, %	25	14.7