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**Compound Data Sheet**  
Parker O-Ring Division United States

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# MATERIAL REPORT

REPORT NUMBER: KK2207  
DATE: 07/23/96

**TITLE:** Evaluation of Parker Compound V1226-75 to ASTM D2000  
M2HK710 A1-10 B37 B38 EF31 E078 F15 Z1  
**PURPOSE:** To determine if V1226-75 meets the requirements.  
**CONCLUSION:** Compound V1226-75 meets the ASTM D2000 callout.

Recommended temperature limits: -15<sup>0</sup>F to 400<sup>0</sup>F

Recommended For

Petroleum, mineral, and vegetable oils  
Silicone fluids  
Aromatic hydrocarbons (benzene, toluene)  
Chlorinated hydrocarbons  
High vacuum  
Ozone, weather, and aging resistance

Not Recommended For

Hot water and steam  
Auto and aircraft brake fluids  
Amines  
Ketones  
Low molecular weight esters and ethers

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**REPORT DATA**

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	ASTM D2000 <b>M2HK 710 A1-10 B37</b> <b>B38 EF31 E078 F15</b> <b>Z1</b> Pass / Fail Limits	<b>V1226-75</b> Slab Results
<u>Basic Physical Properties</u>		
Hardness	75 +/- 5 (Z1)	76
Tensile Strength, psi min	1450	1885
Elongation, % min	175	177
<u>A1-10 Heat Aging, 70 HRS @ 250°C</u>		
Hardness Change, pts max	+10	+2 (78)
Tensile Change, % max	-25	-6 (1764)
Elongation Change, % max	-25	-11 (158)
<u>B37 Compression Set, 22 HRS @ 175°C</u>		
% of Original Deflection, max	50	9
<u>B38 Compression Set, 22 HRS @ 200°C</u>		
% of Original Deflection, max	50	13
<u>EF31, ASTM Ref. Fuel C, 70 HRS @ 23°C</u>		
Hardness Change, pts	+/-5	-1 (75)
Tensile Change, % max	-25	0 (1883)
Elongation Change, % max	-20	+2 (180)
Volume Change, %	0 to +10	+3
<u>E078, Fluid Resistance, #101 Oil, 70 HRS @ 200°C</u>		
Hardness Change, pts	-15 to +5	-8 (68)
Tensile Change, % max	-40	-14 (1614)
Elongation Change, % max	-20	-4 (171)
Volume Change, %	0 to +15	+11
<u>Basic Oil Immersion, ASTM #3 Oil, 70 HRS @ 150°C</u>		
volume change	+10 max	+2
<u>F15, Low Temperature Brittleness, ASTM D2137 3 min @ -25°C</u>		
	Pass	Pass