



MATERIAL REPORT

REPORT NUMBER:

DATE: 02/19/99

TITLE: Evaluation of Parker Compound V1436-75
PURPOSE: To obtain general data.

Recommended temperature limits: -15⁰F to 400⁰F

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



REPORT DATA

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	V1436-75 Slab Results
<u>Basic Physical Properties</u>	
Hardness	80
Tensile Strength, psi	1682
Elongation, %	175
100% Modulus, psi	1011
Specific Gravity	1.88
<u>Heat Aging, 168 HRS @ 150°C</u>	
Hardness Change, pts	0
Tensile Change, %	-6
Elongation Change, %	-2
<u>Compression Set, 70 HRS @ 150°C</u>	
% of Original Deflection, max	8
<u>Fluid Resistance, ASTM #3 Oil, 70 HRS @ 150°C</u>	
Hardness Change, pts	0
Tensile Change, %	+2
Elongation Change, %	+16
Volume Change, %	+2
<u>Fluid Resistance, ASTM Ref. Fuel C, 70 HRS @ 25°C</u>	
Hardness Change, pts	-7
Tensile Change, %	-27
Elongation Change, %	-23
Volume Change, %	+6
<u>Fluid Resistance, ASTM Ref. Fuel C/ Ethanol, 70 HRS @ 25°C</u>	
Hardness Change, pts	-13
Tensile Change, %	-37
Elongation Change, %	-16
Volume Change, %	+14