



# MATERIAL REPORT

REPORT NUMBER:

DATE: 4/10/2001

**TITLE:** Evaluation of Parker Compound VA203-75 (16737)

**PURPOSE:** To obtain general information

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

Recommended For

Diesel Fuel Injectors

Petroleum, mineral, and vegetable oils

Silicone fluids

Aromatic hydrocarbons (benzene, toluene)

Chlorinated hydrocarbons

High vacuum

Ozone, weather, aging resistance

Not Recommended For

Hot water and steam

Auto and aircraft brake fluids

Amines

Ketones

Low molecular weight esters and ethers



## REPORT DATA

	<b>Test Results</b>
<b>Original Physical Properties, ASTM D412, D2240</b>	
Hardness, Shore A, pts.	75
Tensile Strength, psi	1378
Ultimate Elongation, %	137
<b>Compression Set, ASTM D395 Method B (22 hrs. @ 392°F)</b>	
Percent of Original Deflection (plied)	6
<b>Compression Set, ASTM D395 Method B (70 hrs. @ 392°F)</b>	
Percent of Original Deflection (plied)	9
<b>Dry Heat Resistance, ASTM D573 (70 hrs. @ 527°F)</b>	
Hardness Change, pts.	-1
Tensile Change, %	+13
Elongation Change, %	0
<b>Fluid Immersion, ASTM D471 Fuel B, (70 hrs. @ 73°F)</b>	
Hardness Change, pts.	-2
Tensile Change, %	-14
Elongation Change, %	+7
Volume Change, %	+1
<b>Fluid Immersion, ASTM D471 ASTM #1 Oil, (70 hrs. @ 302°F)</b>	
Hardness Change, pts.	-4
Tensile Change, %	-7
Elongation Change, %	+16
Volume Change, %	0
<b>Fluid Immersion, ASTM D471 IRM 903 Oil, (70 hrs. @ 302°F)</b>	
Hardness Change, pts.	-4
Tensile Change, %	-4
Elongation Change, %	-11
Volume Change, %	+2
<b>Low Temperature, ASTM D1329 TR-10, °C</b>	
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