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Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER:

DATE: 4/10/2001

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

PURPOSE: To obtain general information

Recommended temperature limits: -15⁰F to 400⁰F

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

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REPORT DATA

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