MATERIAL REPORT

REPORT NUMBER:
DATE: 1/19/2000

TITLE: Evaluation of Parker Compound VA151-75 (19357)

PURPOSE: To obtain general information

Recommended temperature limits: -15^0F to 400^0F

Recommended For

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

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

REPORT DATA

Original Physical Properties, ASTM D1414, D2240	**Test Results**
Tensile Strength, psi	1510
Ultimate Elongation, %	167
Modulus @ 100%, psi	778
Compression Set, ASTM D395 Method B (70 hrs. @ 392ºF)	
Percent of Original Deflection	23
Compression Set, ASTM D395 Method B (336 hrs. @ 392ºF)	
Percent of Original Deflection	46
Dry Heat Resistance, ASTM D573 (168 hrs. @ 480ºF)	
Hardness Change, pts.	+4
Tensile Change, %	-1
Elongation Change, %	-15
Dry Heat Resistance, ASTM D573 (168 hrs. @ 527ºF)	
Hardness Change, pts.	+12
Tensile Change, %	-34
Elongation Change, %	-55
Fluid Immersion, ASTM D471 Fuel B, (70 hrs. @ 73ºF)	
Hardness Change, pts.	-4
Tensile Change, %	-10
Elongation Change, %	-1
Volume Change, %	+1
Fluid Immersion, ASTM D471 AMS 3023, (70 hrs. @ 392ºF)	
Hardness Change, pts.	-8
Tensile Change, %	-25
Elongation Change, %	-4
Volume Change, %	+17
Fluid Immersion, ASTM D471 IRM 903 Oil, (70 hrs. @ 302ºF)	
Hardness Change, pts.	-3
Tensile Change, %	-5
Elongation Change, %	+1
Volume Change, %	+2

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