Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER:
DATE: 1/15/2002

TITLE: Evaluation of Parker Compound VA154-95 (16949)

PURPOSE: To obtain general information

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

Recommended For
Extrusion Resistance
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
2360 Palumbo Drive
Lexington, Kentucky 40509
(859) 269-2351

Request a Quote

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REPORT DATA

	Test Results
Original Physical Properties, ASTM D412, D2240, D297	
Hardness, Shore A, pts.	93
Tensile Strength, psi	2030
Ultimate Elongation, %	62
Modulus @ 50%, psi	1740
Specific Gravity	1.77
Compression Set, ASTM D395 Method B (70 hrs. @ 347ºF)	
Percent of Original Deflection	25
Dry Heat Resistance, ASTM D573 (70 hrs. @ 482ºF)	
Hardness Change, pts.	+1
Tensile Change, %	-5
Elongation Change, %	-19
Fluid Immersion, ASTM D471 Distilled Water, (70 hrs. @ 212ºF)	
Hardness Change, pts.	+3
Tensile Change, %	+2
Elongation Change, %	+1
Volume Change, %	+3
Fluid Immersion, ASTM D471 50% Distilled Water / 50% Ethylene Glycol, (70 hrs. @ 212ºF)	
Hardness Change, pts.	-2
Tensile Change, %	+2
Elongation Change, %	-3
Volume Change, %	+1
Fluid Immersion, ASTM D471 IRM 903 Oil, (70 hrs. @ 302ºF)	
Hardness Change, pts.	+1
Tensile Change, %	-2
Elongation Change, %	-3
Volume Change, %	+4
Compression Set, ASTM D395 Method B (22 hrs. @ -40ºF)	
Percent of Original Deflection	26
Low Temperature, ASTM D1329, 2-218 o-ring	
TR-10, ºF	+3

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