Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER:
DATE: 12/23/97

TITLE: Evaluation of Parker Compound VW153-75 (16207)

PURPOSE: To obtain general information

Recommended temperature limits: -15 F to 400 F

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
2360 Palumbo Drive
Lexington, Kentucky 40509
(859) 269-2351

REPORT DATA

		VW153-70
Original Physical Properties,		**Results**
ASTM D412, D2240		
Hardness, Shore A, pts.		74
Tensile Strength, psi		1835
Ultimate Elongation, %		165
Modulus @ 100%, psi		936
Compression Set, ASTM D395 Method B		
(70 hrs. @ 392ºF)		
Percent of Original Deflection (plied)		8
Compression Set, ASTM D395 Method B		
(1000 hrs. @ 392ºF)		
Percent of Original Deflection (2-214 o-ring)	52	
Dry Heat Resistance, ASTM D573		
(70 hrs. @ 482ºF)		
Hardness Change, pts.		0
Tensile Change, %		-16
Elongation Change, %		+2
Fluid Immersion, ASTM D471		
Fuel B, (70 hrs. @ RT)		
Hardness Change, pts.		0
Tensile Change, %		-8
Elongation Change, %		+2
Volume Change, %		+1
Fluid Immersion, ASTM D471		
ASTM #3 Oil, (70 hrs. @ 302ºF)		
Hardness Change, pts.		0
Tensile Change, %		-1
Elongation Change, %		0
Volume Change, %		+2