



MATERIAL REPORT

REPORT NUMBER:

DATE: 11/30/2001

TITLE: Evaluation of Parker Compound VW173-75 (19457)

PURPOSE: To obtain general information

Recommended temperature limits: -15⁰F to 400⁰F

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



REPORT DATA

	Test Results
Original Physical Properties, ASTM D412, D2240	
Hardness, Shore A, pts.	74
Tensile Strength, psi	1740
Ultimate Elongation, %	178
Compression Set, ASTM D395 Method B (22 hrs. @ 347°F)	
Percent of Original Deflection (plied)	11
Compression Set, ASTM D395 Method B (22 hrs. @ 392°F)	
Percent of Original Deflection (plied)	8
Dry Heat Resistance, ASTM D573 (70 hrs. @ 482°F)	
Hardness Change, pts.	+2
Tensile Change, %	+6
Elongation Change, %	-16
Fluid Immersion, ASTM D471 Fuel C, (70 hrs. @ 73°F)	
Hardness Change, pts.	-3
Tensile Change, %	-13
Elongation Change, %	-3
Volume Change, %	+3
Fluid Immersion, ASTM D471 Exxon EC 30441 ATF, (70 hrs. @ RT)	
Hardness Change, pts.	-3
Tensile Change, %	-12
Elongation Change, %	+13
Volume Change, %	0
Fluid Immersion, ASTM D471 Exxon EC 30441 ATF, (70 hrs. @ 212°F)	
Hardness Change, pts.	-3
Tensile Change, %	-15
Elongation Change, %	-1
Volume Change, %	+1
Fluid Immersion, ASTM D471 Exxon EC 30441 ATF, (70 hrs. @ 302°F)	
Hardness Change, pts.	-3
Tensile Change, %	-19
Elongation Change, %	+4
Volume Change, %	+1