



MATERIAL REPORT

REPORT NUMBER:

DATE: 9/17/2001

TITLE: Evaluation of Parker Compound KB161-70 (21377)
PURPOSE: To obtain general information.

Recommended temperature limits: -25⁰F to 300/325⁰F

Recommended For

High Temperature Hydraulics

Petroleum based hydraulic oil, motor oil, transmission fluid,
grease

R134a

Water/glycol/steam

HFA, HFB, and HFC fluids

Ozone, aging, and weather resistance

Not Recommended For

Polar solvents (ketones and esters)

Strong acids

Chlorinated hydrocarbons

Auto and aircraft brake fluids



REPORT DATA

	Test Results
Original Physical Properties, ASTM D412, D2240	
Hardness, Shore A, pts.	68
Tensile Strength, psi	2900
Ultimate Elongation, %	239
Compression Set, ASTM D395 Method B (22 hrs. @ 347°F)	
Percent of Original Deflection (plied)	27
Dry Heat Resistance, ASTM D573 (70 hrs. @ 302°F)	
Hardness Change, pts.	+11
Tensile Change, %	+4
Elongation Change, %	-13
Fluid Immersion, ASTM D471 ASTM #1 Oil, (70 hrs. @ 302°F)	
Hardness Change, pts.	+1
Tensile Change, %	-3
Elongation Change, %	-8
Volume Change, %	+9
Fluid Immersion, ASTM D471 IRM 903 Oil, (70 hrs. @ 302°F)	
Hardness Change, pts.	-4
Tensile Change, %	-14
Elongation Change, %	-15
Volume Change, %	+4
Low Temperature Brittleness, ASTM D2137	
Nonbrittle after 3 min. @ -40°F	Passed