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Compound Data Sheet  
Parker O-Ring Division United States

# MATERIAL REPORT

REPORT NUMBER:

DATE: 9/17/2001

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

Recommended temperature limits: -25<sup>0</sup>F to 300/325<sup>0</sup>F

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

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## REPORT DATA

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