



# MATERIAL REPORT

REPORT NUMBER: KK0655  
DATE: 12/17/76

**TITLE:** Evaluation of Parker Compound V0769-60  
**PURPOSE:** To obtain general information.

Recommended temperature limits: -15<sup>0</sup>F to 400<sup>0</sup>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



## REPORT DATA

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<u>ORIGINAL PHYSICAL PROPERTIES</u>	PARKER COMPOUND V0769-60
Hardness, Shore A, pts.	2-214 O-RINGS
Tensile Strength, psi.	60
Elongation, %	1050
Modulus @ 100%	230
	396
<u>AROMATIC FUEL RESISTANCE, ASTM D471, FUEL 111, 70 HRS. @ ROOM TEMPERATURE</u>	
Hardness Change, pts.	-1
Tensile Change, %	-30
Elongation Change, %	-7
Volume Change, %	+2.2
<u>FLUID IMMERSION, ASTM D471, STAUFFER 7700, 70 HRS. @ 392° F ± 5.4</u>	
Hardness Change, pts.	-6
Tensile Change, %	-38
Elongation Change, %	-2
Volume Change, %	+22.9
<u>DRY HEAT RESISTANCE, ASTM D573 70 HRS. @ 482° F ± 5.4</u>	
Hardness Change, pts.	+1
Tensile Change, %	+20
Elongation Change, %	+5
Weight Loss, %	-1.5
Surface Hardening	None
Bend (Flat)	No Cracking or Checking
<u>COMPRESSION SET, ASTM D395, 70 HRS. @ 392° F ± 5.4</u>	
% of Original Deflection	18.2
<u>LOW TEMPERATURE RESISTANCE</u>	
TR - 10 Point	½° F