



# MATERIAL REPORT



REPORT NUMBER: KK1361  
DATE: 11/04/81

[CONTACT US](#)

**TITLE:** Evaluation of Parker Compound V0848-75

**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

Report Number: KK1361

### PARKER COMPOUND V0848-75

#### ORIGINAL PHYSICAL PROPERTIES

	<u>2-214 O-RINGS</u>	<u>SLABS</u>
Hardness, Shore A, pts.	75	75
Tensile Strength, psi.	1320	1667
Ultimate Elongation, %	201	203
100% Modulus	545	667

#### HEAT AGING, ASTM D573

##### 70 HRS @ 392°F

Hardness Change, pts.	+ 1	0
Tensile Change, %	+15.0	+ 5.2
Elongation Change, %	- 2.0	- 7.4

#### COMPRESSION SET, ASTM D395

##### METHOD B, 70 HRS @ 392°F

% of Original Deflection	17.7	20.9
--------------------------	------	------

#### FLUID IMMERSION, ASTM D471

##### ASTM #3 OIL, 70 HRS @ 347°F

Hardness Change, pts.	- 4	- 5
Tensile Change, %	- 6.2	- 4.7
Elongation Change, %	- 6.0	- 1.0
Volume Change, %	+ 2.5	+ 2.3

#### FLUID IMMERSION, ASTM D471

##### ASTM FUEL C, 70 HRS @

##### ROOM TEMPERATURE

Hardness Change, pts.	- 2	- 5
Tensile Change, %	- 12.7	- 31.4
Elongation Change, %	+ .5	- 16.3
Volume Change, %	+ 3.6	+ 3.8

#### LOW TEMPERATURE

TR-10 Value	- 1°F	
-------------	-------	--