



MATERIAL REPORT

REPORT NUMBER: KK1361
DATE: 11/04/81

TITLE: Evaluation of Parker Compound V0848-75

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

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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
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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	
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