



# MATERIAL REPORT

REPORT NUMBER: KK2166  
DATE: 1/16/92

**TITLE:** Evaluation of Parker Compound N1195-70  
**PURPOSE:** To obtain general information.

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

Recommended For

Refrigerants

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**

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<u>ORIGINAL PHYSICAL PROPERTIES</u>	N1195-70
ASTM D2240, Hardness, Shore A, pts.	<u>PLATENS</u>
ASTM D412, Tensile Strength, (MPa) psi.	73
ASTM D412, Ultimate Elongation, %	21.1 (3070)
ASTM D412, Tensile Stress @ 100% Elongation, MPa (psi)	400
	2.9 (420)
ASTM D471, FLUID IMMERSION DEXTRON 11 ATF <u>504 HRS @ 150° C (300° F)</u>	
Hardness Change, pts.	-3
Tensile Strength Change, %	-16
Ultimate Elongation Change, %	-20
Tensile Stress @ 100% Elongation, %	+12
Volume Change, %	+9
ASTM D471, FLUID IMMERSION INFILFEX 1023, 5W30 ENGINE OIL, <u>504 HRS @ 150° C (300° F)</u>	
Hardness Change, pts.	-2
Tensile Strength Change, %	+14
Ultimate Elongation Change, %	-24
Tensile Stress @ 100% Elongation, %	+25
Volume Change, %	+7
ASTM D471, FLUID IMMERSION UNONCAL MP 80W90 GEAR LUBE, <u>504 HRS @ 150° C (300° F)</u>	
Hardness Change, pts.	+7
Tensile Strength Change, %	-4
Ultimate Elongation Change, %	-29
Tensile Stress @ 100% Elongation, %	+82
Volume Change, %	+4
ASTM D471, FLUID IMMERSION POWER STEERING FLUID <u>504 HRS @ 150° C (300° F)</u>	
Hardness Change, pts.	0
Tensile Strength Change, %	-42
Ultimate Elongation Change, %	-39
Tensile Stress @ 100% Elongation, %	+28
Volume Change, %	+6



## Compound Data Sheet

Parker O-Ring Division United States

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R134a FREON, 50psi PRESSURE,  
SPECIMENS LUBRICATED WITH  
APOLLO DAPHNE HERMETIC OIL, FD-46XG PAG OIL  
168 HRS @ ROOM TEMPERATURE

Hardness Change, pts.	-4
Tensile Strength Change, %	-43
Ultimate Elongation Change, %	-28
Tensile Stress @ 100% Elongation, %	-15
Volume Change, %	+7

ASTM D471, FLUID IMMERSION  
ASTM REFERENCE OIL NO. 3  
504 HRS @ 150° C (300° F)

Hardness Change, pts.	-10
Tensile Strength Change, %	-7
Ultimate Elongation Change, %	-3
Tensile Stress @ 100% Elongation, %	-11
Volume Change, %	+21