



MATERIAL REPORT

REPORT NUMBER: KK2166

DATE: 1/16/92

TITLE: Evaluation of Parker Compound N1195-70

PURPOSE: To obtain general information.

Recommended temperature limits: -25⁰F to 300/325⁰F

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



Compound Data Sheet

Parker O-Ring Division United States

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

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