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Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER:
DATE: 8/22/97

TITLE: Evaluation of Parker Compound N1173-70
PURPOSE: To obtain general information.

Recommended temperature limits: -25^0F to $300/325^0$F

Recommended For

Petroleum based hydraulic oil, motor oil, transmision 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

Parker O-Ring Division
2360 Palumbo Drive
Lexington, Kentucky 40509
(859) 269-2351

REPORT DATA

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	Platen Results
Basic Physical Properties	
Hardness, Shore A	74
Tensile Strength, MPa	22.8
Elongation, %	206
Modulus @ 100%, MPa.	9.1
25% Compressive Modulus, Mpa	4.0
Heat Aging, ASTM D573, 70 H @ 150 °C	
Hardness Change, pts	+3
Tensile Change, %	-4
Elongation Change, %	-18
Surface Condition	No change
Fluid Immersion, ASTM #1 Oil, ASTM D471, 70 H @ 150 °C	
Hardness Change, pts	-1
Tensile Change, %	+11
Elongation Change, %	+10
Volume Change, %	+2.0
Fluid Immersion, IRM 903 Oil, ASTM D471, 70 H @ 150 °C	
Hardness Change, pts	-9
Tensile Change, %	-13
Elongation Change, %	-11
Volume Change, %	+18.5
Fluid Immersion, Diesel #2, ASTM D471, 70 H @ 65 °C	
Hardness Change, pts	-10
Tensile Change, %	-15
Elongation Change, %	-14
Volume Change, %	+28.3

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