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Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

DATE: 11/17/1997

TITLE: Evaluation of Parker compound AA150-70 (formerly 12307).

PURPOSE: General data for test platens

Recommended temperature limits: -5 °F to 350 °F

Recommended For

Mineral oil (engine, gear box, ATF oil)

Ozone, weather and aging resistance

Not Recommended For

Glycol Brake Fluid

Aromatics and chlorinated hydrocarbons

Hot water, steam

Acids, alkalis, amines

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REPORT DATA

AA150-70 (12307) Platen Results

Basic Physical Properties

Hardness, Shore A, pts	73
Tensile Strength, psi	1634
Elongation, %	242
Modulus @ 100%, psi	665

Dry Heat Resistance, ASTM D573 70 H @ 300 °F

Hardness Change, pts	+6
Tensile Change, %	+13
Elongation Change, %	-19

Fluid Immersion, ASTM #1 Oil, 70 H @ 300 °F

Hardness Change, pts	+3
Tensile Change, %	+29
Elongation Change, %	-28
Volume Change, %	-4

Fluid Immersion, ASTM #3 Oil, 70 H @ 300 °F

Hardness Change, pts	-8
Tensile Change, %	+14
Elongation Change, %	-29
Volume Change, %	+2

Compression Set, ASTM D395 Method B 22 H @ 302°F

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Low Temperature

Flex, Figure 8 bend, -25°F Passed

Fluid Immersion, Dexron II, 168 H @ 302°F

Hardness Change, pts.	+1
Tensile Change, %	-19
Elongation Change, %	-55
Volume Change, %	+3

Fluid Immersion, IRM 903, 70H @ 302 °F (2-214 o-rings)

Hardness Change, pts.	-8
Tensile Change, %	-2
Elongation Change, %	-39
Volume Change, %	+7