



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



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