



MATERIAL REPORT

REPORT NUMBER:

DATE: 10/28/91

TITLE: Evaluation of Parker Compound SM151-50 (11355)
PURPOSE: To obtain general data

Recommended temperature limits: -70⁰F to 400⁰F

Recommended For

Dry heat

Some petroleum oils

Moderate water resistance

Fire resistant hydraulic fluids (HFD-R and HFD-S)

Ozone, aging, and weather resistance

Low temperature

Not Recommended For

Ketones

Acids

Silicone oils

Auto and aircraft brake fluid



REPORT DATA

	SM151-50 <u>Platen Results</u>
<u>Basic Physical Properties</u>	
Hardness	51
Tensile Strength, psi	825
Elongation, %	475
Modulus @ 100%, psi	175
Specific Gravity	1.20
<u>ASTM D573 Heat Aging, 70 H @ 437^oF</u>	
Hardness Change, pts	+4
Tensile Change, %	-19
Elongation Change, %	-29
<u>Compression Set, ASTM D395 Method B, 70 HRS @ 302^oF</u>	
% of Original Deflection	8
<u>Fluid Immersion, ASTM D471 ASTM #1 Oil, 70 H @ 302^oF</u>	
Hardness Change, pts	-10
Tensile Change, %	-9
Elongation Change, %	-3
Volume Change, %	+3
<u>Low Temperature Brittleness, ASTM D2137</u>	
Nonbrittle after 3 min @ -85 ^o F	Pass
<u>Tear Strength, Die B, ASTM D624</u>	
in/lbs	67