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# MATERIAL REPORT

REPORT NUMBER:

DATE: 10/28/91

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

Recommended temperature limits: -70<sup>0</sup>F to 400<sup>0</sup>F

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**

	<b>SM151-50</b> <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<sup>o</sup>F</u>	
Hardness Change, pts	+4
Tensile Change, %	-19
Elongation Change, %	-29
<u>Compression Set, ASTM D395 Method B, 70 HRS @ 302<sup>o</sup>F</u>	
% of Original Deflection	8
<u>Fluid Immersion, ASTM D471 ASTM #1 Oil, 70 H @ 302<sup>o</sup>F</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 <sup>o</sup> F	Pass
<u>Tear Strength, Die B, ASTM D624</u>	
in/lbs	67