



MATERIAL REPORT

REPORT NUMBER: KK2017

DATE: 9/28/1989

TITLE: Evaluation of Parker Compound B1167-80 to AMS 7277 B

PURPOSE: To document conformance.

CONCLUSION: Parker Compound B1167-80 is capable of meeting these requirements.

Recommended temperature limits: -75 to +250 F

Recommended For

Vacuum
Phosphate Esters
Hydraulic Fluids
Ketones
Silicone Fluids

Not Recommended For

Petroleum Oils
Di-Ester base lubricants



Compound Data Sheet
Parker O-Ring Division United States

REPORT DATA

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	<u>AMS 7277 B</u> <u>Pass / Fail Limits</u>	<u>B1167-80</u> <u>O-Ring Results</u>
<u>Basic Physical Properties</u> Hardness Tensile Strength, psi Elongation, % min. Modulus @ 100% Elongation, psi, min.	70 – 85 1200 200 400	80 1853 320 446
<u>Dry Heat Resistance (D573), 168 H @ 158 F</u> Hardness Change, pts Tensile Strength Change, % Elongation Change, % Bend Flat	0 to+10 max -20 max -35 max No cracking or checking	+1 -11 -6 No cracking or checking
<u>Fluid Immersion, Phosphate Ester Fluid (SAE #1A), 168 H @ 158 F</u> Hardness Change, pts Tensile Change, % Elongation Change, % Volume Change, % Decomposition Surface Tackiness	-20 to 0 -25 max -35 max 0 to +15 None None	-13 -8 +2 +14 None None
<u>Compression Set, 22 H @ 158 F</u> % of Original Deflection % of Original Thickness	50 max. 12 max.	11 4
<u>Low Temperature Brittleness</u> <u>Phosphate Ester Test Fluid SAE #1A for</u> <u>72 H @ 158 F</u>	No Cracking	No Cracking

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