



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

Report Number: KK2017

	<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	70 – 85	80
Tensile Strength, psi	1200	1853
Elongation, % min.	200	320
Modulus @ 100% Elongation, psi, min.	400	446
<u>Dry Heat Resistance (D573), 168 H @ 158 F</u>		
Hardness Change, pts	0 to+10 max	+1
Tensile Strength Change, %	-20 max	-11
Elongation Change, %	-35 max	-6
Bend Flat	No cracking or checking	No cracking or checking
<u>Fluid Immersion, Phosphate Ester Fluid (SAE #1A), 168 H @ 158 F</u>		
Hardness Change, pts	-20 to 0	-13
Tensile Change, %	-25 max	-8
Elongation Change, %	-35 max	+2
Volume Change, %	0 to +15	+14
Decomposition	None	None
Surface Tackiness	None	None
<u>Compression Set, 22 H @ 158 F</u>		
% of Original Deflection	50 max.	11
% of Original Thickness	12 max.	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