



MATERIAL REPORT

REPORT NUMBER: KA1058A

DATE: 09/26/91

TITLE: Evaluation of Parker Compound C0267-50 to specification MIL-R-3065C, ASTM D 2000 2BC 515 A14 E014 EO34.

PURPOSE: To show compliance of all phases of specification.

CONCLUSION: Parker Compound meets or exceeds all phases of the specification above.

Recommended temperature limits: -60°F to 250°F

Recommended For

Carbon Dioxide

Ammonia

Refrigerants

Silicone oil and grease

Water and water solvents at low temperatures

Not Recommended For

Aromatic hydrocarbons, e.g, benzene

Chlorinated hydrocarbons

Polar solvents, e.g. ketones, esters, ethers, acetones



REPORT DATA

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	<u>SPEC MIL-R-3065C</u>	<u>C0267-50 2-230 O-Rings</u>
<u>Basic Physical Properties</u>		
Hardness	45 to 55	55
Tensile Strength, psi.	1500	1834
Elongation, %	350	628
Specific Gravity	1.38	1.38
<u>Heat Aging, 70 H @ 212°F</u>		
Hardness Change, pts	+15	+15 (70)
Tensile Change, %	-15	-8 (1691)
Elongation Change, %	-40	-19 (373)
<u>Fluid Immersion, ASTM #3Oil, 70 H @ 212 °F</u>		
Volume Change, % max.	+120	+82
<u>Compression Set, 70 H @ 212°F</u>		
% Max. Deflection	80	50