MATERIAL REPORT

REPORT NUMBER: KK1286
DATE: 6/29/81

TITLE: Evaluation of Parker Compound C0944-70 to ASTM D 2000 3BC 715 A14 B14 EO14 EO34 F16

PURPOSE: To show compliance of all phases of specification.

CONCLUSION: Parker Compound C0944-70 meets or exceeds all phases of the specification.

Recommended temperature limits: -35°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

Parker O-Ring Division
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Lexington, Kentucky 40509
(859) 269-2351

Compound Data Sheet
Parker O-Ring Division United States

REPORT DATA
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	ASTM D2000 3BC 715 A14 B14 EO14 EO34, F16 Specification	C0944-70 2-216 Test Results
Basic Physical Properties		
Hardness	70 ± 5	74
Tensile Strength, psi.	1500	1838
Elongation, %	250	269
B14, Compression Set, 70 H @ 212°F		
% Max. Deflection	35	20
A14, Heat Aging, 70 H @ 212°F		
Hardness Change, pts	+15	+5
Tensile Change, %	-15	-4.8
Elongation Change, %	-40	-22.7
E014, Fluid Immersion, ASTM #3 Oil, 70 H @ 212 °F		
Hardness Change, pts.	±10	-3
Tensile Change, %, max	-30	-11.6
Elongation Change, % max.	-30	-19.7
Volume Change, % max.	-10 to +15	+6.4
EO34, Fluid Immersion, ASTM #3 Oil, 70 H @ 212 °F		
Tensile Change, %, max	-60	-40.9
Elongation Change, % max.	-50	-22.7
Volume Change, % max.	+100	+62.9
F16, Low Temperature Brittleness		
3 min. @ -31 °F	Pass	Pass

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