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# MATERIAL REPORT

**TITLE:** Evaluation of Parker Compound CL172-70 formerly 2347.

**PURPOSE:** To obtain general data for CL172-70.

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



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**Compound Data Sheet**  
Parker O-Ring Division United States

**REPORT DATA**

CL172-70 (2347) Test

Results

Basic Physical Properties

Hardness	66
Tensile Strength, psi.	2089
Elongation, % min.	310
Modulus @100%, psi	429

Compression Set, 70 H @ 302°F

% Max. Deflection	53
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Fluid Immersion, ASTM #1 Oil, 70 H @ 257 °F

Hardness Change, pts.	-2
Tensile Change, %, max	-1
Elongation Change, % max.	-27
Volume Change, % max.	-1

Fluid Immersion, ASTM #3 Oil, 70 H @ 257 °F

Tensile Change, %, max	-8
Elongation Change, % max.	-26
Volume Change, % max.	-19
	+48

Fluid Immersion, Distilled Water, 70 H @ 212 °F

Hardness Change, pts.	-5
Tensile Change, %, max	+5
Elongation Change, % max.	-11
Volume Change, % max.	+5

Dry Heat Resistance, 70 H @ 257 °F

Hardness Change, pts.	+6
Tensile Change, %	+4
Elongation Change, %	-19

Low Temperature Resistance

TR-10, °F	-36
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