



MATERIAL REPORT

REPORT NUMBER: KT1724

DATE: 03/05/85

TITLE: Evaluation of Parker Compound E1022-70.

PURPOSE: To obtain general data for Parker Compound E1022-70.

CONCLUSION: Parker Compound E1022-70 is a good general-purpose internally lubed ethylene propylene material.

Recommended temperature limits: -70°F to 250 °F

Recommended For

Hot water and steam

Glycol based brake fluid

Many organic and inorganic acids

Cleaning agents, soda and potassium alkalis

Phosphate –ester based hydraulic fluids

Silicone oil and grease

Polar solvents

Ozone, Aging and weather resistance

Not Recommended For

Mineral oil products



Compound Data Sheet
Parker O-Ring Division United States

REPORT DATA

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<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>COMPOUND E1022-70</u> <u>2-214 O-RINGS</u>
Hardness, Shore A, pts.	71
Tensile Strength, psi.	1898
Elongation, Ultimate, %	381
Specific Gravity	1.13
100% Modulus	347
 <u>LOW TEMPERATURE</u> <u>22 HRS. @ -40°C</u>	
Hardness, Shore A, pts.	+ 8
180° Bend	Pass
 <u>HEAT AGE,</u> <u>70 HRS. @ 212°F</u>	
Hardness Change, pts.	+ 3
Tensile Retained	- 7.0
Elongation Retained	- 8.4
Compression Set, (Parts)	17.6
 <u>HIGH TEMPERATURE</u> <u>22 HRS. @ 347°F</u>	
Hardness Change, pts	+ 4
Surface Tackiness	None
180° Bend	Pass
 <u>FLUID RESISTANCE, DM-5337</u> <u>70 HRS. @ 250°F</u>	
Hardness Change, pts	- 5
Dimensional Change	0
Volume Change, %	+ .2
Surface Tackiness	None
Tensile Retained	- .9
Elongation Retained	- 4.2
Fluid Contamination	None
180° Bend	None
 <u>OZONE RESISTANCE</u>	
Surface Cracking or Perforation	Pass