



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



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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