



Compound Data Sheet
Parker O-Ring Division United States

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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COMPOUND E1022-70
2-214 O-RINGS

ORIGINAL PHYSICAL PROPERTIES

Hardness, Shore A, pts.	71
Tensile Strength, psi.	1898
Elongation, Ultimate, %	381
Specific Gravity	1.13
100% Modulus	347

LOW TEMPERATURE
22 HRS. @ -40°C

Hardness, Shore A, pts.	+ 8
180° Bend	Pass

HEAT AGE,
70 HRS. @ 212°F

Hardness Change, pts.	+ 3
Tensile Retained	- 7.0
Elongation Retained	- 8.4
Compression Set, (Parts)	17.6

HIGH TEMPERATURE
22 HRS. @ 347°F

Hardness Change, pts	+ 4
Surface Tackiness	None
180° Bend	Pass

FLUID RESISTANCE, DM-5337
70 HRS. @ 250°F

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

OZONE RESISTANCE
Surface Cracking or Perforation

Pass