



MATERIAL REPORT

Date: 10/12/2001

TITLE: Evaluation of Parker Compound E1570-70

PURPOSE: To obtain general data for NSF 61 approved compound E1570-70.

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

Recommended For

Potable Water
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



REPORT DATA

	<u>E1570-70 Test Results</u>
<u>Basic Physical Properties</u>	
Hardness, Shore A, pts.	65
Hardness, IRHD, pts.	69
Tensile Strength, psi	2302
Elongation, %	272
Modulus @ 100%, psi	400
Specific Gravity	1.06
Tear Die C, Tear resistance, lbf/in.	166
<u>Dry Heat Resistance, 70 H @ 212°F</u>	
Hardness Change, pts.	+1
Tensile Change, %	0
Elongation Change, %	0
<u>Compression Set, 22 H @ 212 °F</u>	
Percent of original deflection (plied)	8
<u>Compression Set, 70 H @ 302 °F</u>	
Percent of original deflection (plied)	25
<u>Fluid Immersion, Distilled Water, 166H @ 212 °F</u>	
Hardness Change, pts.	0
Tensile Change, %	+2
Elongation Change, %	0
Volume Change, %	+0.3