



# MATERIAL REPORT

DATE: 11/16/94

**TITLE:** Evaluation of Parker's Compound NJ253-70

**CONCLUSION:** Compound NJ253-70 meets or exceeds all requirements of subject specification.

**Recommended Temperature Range:** -35 to 212F

**Recommended for:** petroleum oils, water (up to 180F),  
Salt & Alkali solutions, weak acids

**Not Recommended for:** aromatic fuels, strong acids,  
glycols, ozone, polar solvents

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## REPORT DATA

<u>Original Physical Properties, ASTM D1414, D2240</u>	<u>NJ253-70</u> <u>Test Results</u>
Hardness, Shore A, pts.	68
Tensile Strength, psi	1800
Ultimate Elongation, %	450
Modulus @ 100%, psi	300
<b>Compression Set, ASTM D395 Method B</b> <b>(70 hrs. @ 212°F)</b>	
Percent of Original Deflection	50
<b>Dry Heat Resistance, ASTM D573</b> <b>(70 hrs. @ 212°F)</b>	
Hardness Change, pts.	+2
Tensile Change, %	-1
Elongation Change, %	-19
<b>Fluid Immersion, ASTM D471</b> <b>ASTM #1 Oil, (70 hrs. @ 302°F)</b>	
Hardness Change, pts.	+6
Tensile Change, %	-7
Elongation Change, %	-53
Volume Change, %	-2
<b>Fluid Immersion, ASTM D471</b> <b>ASTM #3 Oil, (70 hrs. @ 302°F)</b>	
Hardness Change, pts.	-10
Tensile Change, %	-9
Elongation Change, %	-21
Volume Change, %	+16
<b>Fluid Immersion, ASTM D471</b> <b>Distilled Water, (70 hrs. @ 212°F)</b>	
Hardness Change, pts.	-2
Tensile Change, %	-12
Elongation Change, %	-30
Volume Change, %	+1