



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