



MATERIAL REPORT

DATE: 12/23/93

TITLE: Evaluation of Parker's Compound NA155-80

CONCLUSION: Compound NA155-80 meets or exceeds all requirements of subject specification.

Recommended Temperature Range: -25 to 250F

Recommended for: petroleum oils, water (up to 212F),
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>NA155-80 Test Results</u>
Hardness, Shore A, pts.	80
Tensile Strength, psi	2100
Ultimate Elongation, %	200
Modulus @ 100%, psi	900
Compression Set, ASTM D395 Method B (22 hrs. @ 257°F)	
Percent of Original Deflection	40
Dry Heat Resistance, ASTM D573 (70 hrs. @ 257°F)	
Hardness Change, pts.	+8
Tensile Change, %	-11
Elongation Change, %	-50
Fluid Immersion, ASTM D471 ASTM #1 Oil, (70 hrs. @ 302°F)	
Hardness Change, pts.	+8
Tensile Change, %	-15
Elongation Change, %	-44
Volume Change, %	-9
Fluid Immersion, ASTM D471 ASTM #3 Oil, (70 hrs. @ 302°F)	
Hardness Change, pts.	-2
Tensile Change, %	-31
Elongation Change, %	-40
Volume Change, %	+6