



MATERIAL REPORT

REPORT NUMBER: KB4483
DATE: 2/85

TITLE: Evaluation of Parker Compound N0304-75 to the requirements of MIL-P-25732C specification.

PURPOSE: To document conformance to acceptance test.

CONCLUSION: Parker compound N0304-75 meets the requirements of MIL-P-25732C specification.

Recommended Temperature Range: -65 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

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	MIL-P-25732C <u>SPECIFICATION</u>	Compound: N0304-75 <u>Size: 2-214 O-RINGS</u>
<u>ORIGINAL PHYSICAL PROPERTIES</u>		
Specific gravity	1.26 - 1.30	1.27
Hardness, Type A, points	70 - 80	76
Tensile Strength, psi	1440 - 2160	1617
Elongation, %160 - 226		164
Tensile stress (modulus) psi @ 100% elongation	500 min	743
Temperature retraction, TR-10 (ASTM D1329-79) 50% elongation and 10% return, °F	-49°F, max	-51.3
 <u>FLUID AGING, 70 HRS</u> <u>@ 275° ± 5°F in MIL-H-5606</u>		
Hardness change, Type A, points	± 5, - 15	70 (-6)
Compression Set, 25% deflection % of original deflection	55 max	30.8
Temperature retraction TR-10 (ASTM D1329-79) 50% elongation and 10% return, °F	-49 max	-54.7