



# 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

Parker O-Ring Division  
2360 Palumbo Drive  
Lexington, Kentucky 40512  
(859) 269-2351

## REPORT DATA

Report Number: KB4483

	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