



MATERIAL REPORT

REPORT NUMBER: KK2154
DATE: 11/07/91



CONTACT US

TITLE: Evaluation of Parker Compound E0652-90 to ASTM D2000 line call out M2AA 907 A13 EA14 F17.

PURPOSE: To determine if Parker Compound E0652-90 meets all phases of the above specification

CONCLUSION: E0652-90 meets or exceeds all phases of the above specification.

Recommended temperature limits: -60°F to 250 °F

Recommended For

Hot water and steam
Glycol based brake fluid
Many organic and inorganic acids
Cleaning agents, soda and potassium alkalis
Phosphate –ester based hydraulic fluids
Silicone oil and grease
Polar solvents
Ozone, Aging and weather resistance

Not Recommended For

Mineral oil products



REPORT DATA

Report Number: KK2154

COMPOUND: E0652-90
ASTM D2000 M2AA907 A13 EA14 F17

<u>BASIC REQUIREMENT</u>	<u>LIMIT</u>	<u>RESULTS</u>
Hardness Shore A, pts	90 ± 5	90
Tensile Strength, MPa (psi)	7 (1015)	13.9 (2021)
Elongation, %	100	163
 <u>COMPRESSION SET</u> <u>22 HRS @ 70°C (158°F)</u>		
Max., %	50	14.2
 <u>A13, HEAT AGE</u> <u>70 HRS @ 70°C (158°F)</u>		
Hardness Change, pts	± 15	- 4
Tensile Change, %	± 30	+ 3.0
Elongation Change, %	- 50	+ 1.2
 <u>EA14, WATER RESISTANCE</u> <u>70 HRS @ 100°C (212°F)</u>		
Volume Change, %	10	+ 1.1
 <u>F17, LOW TEMP BRITTLENESS</u> <u>3 MIN @ -40°C (-40°F)</u>		
Non Brittle	Pass	Pass