



MATERIAL REPORT

TITLE: Evaluation of Parker Compound E0652-90 to ASTM D2000 line call out 2CA 915 A25 B44 C32 G11.

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

CONCLUSION: E0692-90 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



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Compound Data Sheet
Parker O-Ring Division United States

REPORT DATA

COMPOUND: E0652-90
ASTM D2000 7CA915 A25 B44 C32 G11

<u>BASIC REQUIREMENT</u>	<u>LIMIT</u>	<u>RESULTS</u>
Hardness, Shore A, pts	90 ± 5	89
Tensile Strength, psi. min	1500	2000
Elongation, %	100	130
A25, HEAT AGE		
<u>70 HRS @ 125°C (257°F)</u>		
Hardness Change, pts	± 10	- 0
Tensile Change, %	- 20	- 8.6
Elongation Change, %	- 40	- 11.6
B44, COMPRESSION SET		
<u>70 HRS @ 100°C (212°F)</u>		
Max., %	70	16.7*
C32, OZONE RESISTANCE		
<u>ASTM D1171, Method B</u>		
No cracks	Pass	Not Tested**
G11, TEAR STRENGTH		
<u>ASTM D624, Die B</u>		
kN/m	26	27.9***

* Tested 70 hours @ 125 °C (257 °F.)

** Material is not subject to ozone degradation.

*** Tested separately.

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