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Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KJ0667-70

DATE: 01/09/89

TITLE: Evaluation of Parker Compound E0667-70 meets ASTM
D2000 5CA 715 A25 B35 C32 F18 G21 EA14

PURPOSE: To verify Parker Compound E0667-70 meets all phases of the
specification.

CONCLUSION: Parker Compound E0667-70 meets all phases of the
specification.

Recommended temperature limits: -70°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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<u>ORIGINAL PHYSICALS</u>	<u>SPEC</u>	<u>E0667-70</u>
Hardness, Shore A, pts.	65-75	70
Tensile Strength, min..	1500	1993
Elongation, min.	200	255
 <u>HEAT AGE (A25)</u> <u>70 HRS. @ 257°F</u>		
Hardness Change, max.	+10	+1
Tensile Change	-20	+16.7
Elongation Change	-40	+7.8
 <u>HEAT AGE (BASIC)</u> <u>70 HRS. @ 257°</u>		
Hardness Change	±15	+1
Tensile Change	±30	+16.7
Elongation Change, max.	-50	+ 7.8
 <u>COMPRESSION SET, (BASIC)</u> <u>22 HRS. @ 212°F</u>		
% of original deflection	60% max.	9.9%
 <u>COMPRESSION SET (B35)</u> <u>22 HRS. @ 257°F</u>		
% of original deflection	50% max.	15.8%
 <u>RESISTANCE TO OZONE (C32)</u> <u>METHOD D1171</u> <u>EXPOSURE METHOD B</u>		
	Pass	specimen not suitable for testing
 <u>(F18)</u> <u>Low Temp, Brittleness</u> <u>D2137, Method A</u> <u>nonbrittle after</u> <u>3' @ -50°C (-58°F)</u>		
	Pass	Passed
 <u>(G21)</u> <u>Tear Resistance</u> <u>Method D624, Die C</u> <u>Min. KN/M</u>		
	26 min.	38.4
 <u>(EA14)</u> <u>Water Resistance</u> <u>70 HRS. @ 212°F</u> <u>Volume Change, %</u>		
	± 5	+3

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