



**COMPOUND DATA SHEET**  
Parker O-Ring & Engineered Seals Division, North America

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**MATERIAL REPORT**

REPORT NUMBER: 118770  
DATE: 12/1/2016

**Title:** Evaluation of Parker Compound

**Elastomer Type:** Chloroprene (CR) C0267-50

**Purpose:** To obtain typical test data.

**Specification:** ASTM D2000 M2BC510 A14 EO14 EO34

**Color:** Black

**Recommended Temperature Range:** -60°F to 250°F

**Recommended For:** Paraffin based mineral oil with low DPI, silicone oil and grease, water and water solvents at lower temperatures, refrigerants, ammonia, carbon dioxide, improved ozone, weather, and aging resistance when compared to nitrile, limited compatibility with naphthalene based mineral oil (IRM 902 and IRM 903) and glycol based brake fluids

**Not Recommended For:** Aromatic hydrocarbons (benzene), chlorinated hydrocarbons (trichloroethylene), and polar solvents (ketones, ester, ethers)

**Additional Approvals:** None

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The recording of false, fictitious, or fraudulent statements or entries in this report may be  
punishable as a felony under federal law."*

## REPORT DATA

<u>Original Physical Properties</u>	<u>Test Method</u>	<u>Spec Limits</u>	<u>Results</u>
Hardness, Shore A, pts.	ASTM D2240	50 ± 5	51
Tensile Strength, PSI (Mpa)	ASTM D412	1450 (10)	2175 (15)
Ultimate Elongation, %	ASTM D412	350	507
Modulus at 100% Elongation, MPa	ASTM D412	Report	2
Specific Gravity, ± 0.02	ASTM D297	1.38	1.38

### **(Basic) Compression Set (Plied)**

#### **22 hrs. @ 212°F (100°C)**

Percent of Original Deflection, Max	ASTM D395	80	20
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### **(A14) Heat Age**

#### **70 hrs. @ 212°F (100°C)**

Hardness Change, pts.	ASTM D573	+15	+7
Tensile Strength Change, %		- 15	- 1
Ultimate Elongation Change, %		- 40	- 3

### **(EO14) Fluid Resistance**

#### **IRM 903, 70 hrs. @ 212°F (100°C)**

Hardness Change, pts.	ASTM D471	± 10	+1
Tensile Strength Change, %		- 30	- 8
Ultimate Elongation Change, %		- 30	- 9
Volume Change, %		-10 to +15	- 2

### **(E034) Fluid Resistance**

#### **IRM 903, 70 hrs. @212°F (100°C)**

Tensile Strength, %	ASTM D471	- 70	- 57
Ultimate Elongation Change, %		- 55	- 47
Volume Change, %		+120	+67