



# COMPOUND DATA SHEET

Parker O-Ring & Engineered Seals Division, North America

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## MATERIAL REPORT

Report Number: LTR 116731 & LV R-20190520-00009  
6/28/2019

**Title:** Evaluation of Parker Compound

**Elastomer Type:** Fluorocarbon (FFKM) FF196-90

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

**Color:** Black

**Recommended Temperature Range:** -10°F to 525°F

**Recommended For:** Aliphatic and aromatic hydrocarbons, chlorinated hydrocarbons, polar solvents (acetone, methylethylketone, dioxane), inorganic and organic acids, bases, amines (under appropriate temperatures), water and steam, petroleum oil, wet/dry chlorine.

**Not Recommended For:** Fluorinated refrigerants (R11, R12, R13, R113, R114), uranium hexafluoride, molten metals, gaseous and alkali metals

**Additional Approvals:** ISO 23936-2 RGD

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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>Test Results</u>
Hardness, Shore A, pts.	ASTM D2240	89
Tensile Strength, psi	ASTM D1414	2006
Ultimate Elongation	ASTM D1414	108
Modulus at 100% Elongation	ASTM D1414	1906
Specific Gravity	ASTM D297	1.86
<u>Compression Set ( 2-214)</u>		
70 hrs. @ 274°C (525°F)		34
<u>Dry Heat Resistance (2-214)</u>		
70 hrs. @ 274°C (525°F)		
Hardness Change, pts.	ASTM D573	1
Tensile Strength Change, %		-7
Ultimate Elongation Change, %		-6
Weight Loss, % max		-2
Modulus at 100% Elongation Change, %		-2
<u>Low Temperature</u>		
TR-10°C	ASTM D1329	-15