



# COMPOUND DATA SHEET

Parker O-Ring & Engineered Seals Division, North America

## MATERIAL REPORT

LTR: 100713  
Test Date: 3/11/2014  
Report Date: 9/21/2017



[CONTACT US](#)

**Title:** Evaluation of Parker Compound VP103-95 (AFLAS)

**Purpose:** To establish general data review.

**Color:** Black

**Recommended Temperature Range:** 25°F to 450°F

**Recommended For:** Bases, sour oil & gas, steam, phosphate esters, amines, petroleum oils, acids, ozone, alcohols

**Not Recommended For:** Aromatic fuels, ketones, carbon tetrachloride, ethers, non-polar solvents, acetic acid, organic acetates

**Additional Approvals:** None

*"Purchaser use only. Reproduce only in full. Data pertains to items referenced only. The recording of false, fictitious, or fraudulent statements or entries in the report may be punishable as a felony under federal law."*

# REPORT DATA

<u>Original Physical Properties</u>	<u>Test Method</u>	<u>Results</u>
Hardness, Shore A, pts.	ASTM D2240	92
Tensile Strength, PSI, min	ASTM D412	2755
Ultimate Elongation, %, min	ASTM D412	128
Specific Gravity	ASTM D297	1.6
<u>Tear Strength, Die B</u>		
PPI, min	ASTM D624	281
<u>Tear Strength, Die C</u>		
PPI, min	ASTM D624	168
<u>Compression Set</u>		
<u>70 hrs. @ 200°C</u>		
Percent of Original Deflection, max	ASTM D395 Method B	52
<u>Dry Heat Resistance</u>		
<u>70 hrs @ 200°C</u>		
Hardness Change, pts.	ASTM D573	+2
Tensile Change, %		+15
Elongation Change, %		-15
<u>Fluid Immersion</u>		
<u>Distilled Water, 70 hrs @ 150°C</u>		
Hardness Change, pts.	ASTM D471	-1
Tensile Change, %		-6
Elongation Change, %		+18
Volume Change, %		+7
<u>Fluid Immersion</u>		
<u>IRM 903 Oil, 70 hrs @ 200°C</u>		
Hardness Change, pts.	ASTM D471	-9
Tensile Strength Change, %		-14
Elongation Change, %		+28
Volume Change, %		+21