



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

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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
Compression Set		
<u>70 hrs. @ 200°C</u>		
Percent of Original Deflection, max	ASTM D395 Method B	52
Dry Heat Resistance		
<u>70 hrs @ 200°C</u>		
Hardness Change, pts.	ASTM D573	+2
Tensile Change, %		+15
Elongation Change, %		-15
Fluid Immersion		
<u>Distilled Water, 70 hrs @ 150°C</u>		
Hardness Change, pts.	ASTM D471	-1
Tensile Change, %		-6
Elongation Change, %		+18
Volume Change, %		+7
Fluid Immersion		
<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



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