



Anderson Seal Material Specification Sheet

16555 W. Lincoln Ave.
New Berlin, WI 53151
262-821-0344

Test Report

Material: Dupont FKM (Viton) 75 Black

Compound No.: VI751017

Specification: ASTM D2000 M2HK810 A1-10 B38 EF31 EO78 EO88 Z1: 75+/-5

Original Properties:

	<u>Required</u>	<u>Result</u>
Hardness, Shore A, pts	75 ±5	77
Tensile Strength, psi	1450	2137
Elongation, min, %	150	242
Tear Resistance Kg-cm		30
Modulus at 100%		726
Modulus at 200%		1725
Specific Gravity		1.855

A1-10 Heat Aged: 70 h at 250C, ASTM D573

Hardness Change, pts, Shore A	+10	+3
Tensile Strength Change, %	-25	-16
Elongation Change, %	-25	-4
Volume Change, %		-2

B38 Compression Set, 22 h at 200C, ASTM D395 Method B, Deflection, 50%, Max

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Compression Set, 22 h at 175C, ASTM D395 Method B

8

EF31 Fluid C Resistance, 23 h at 70C, ASTM D471

Hardness Change, pts	±5	-3
Tensile Strength Change, %	-25	-21
Elongation Change, %	-20	-13
Volume Change, %	0 to 10	+5



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EO78	<u>Fluid Resistance, ASTM #101 Oil, 70 h at 200C, ASTM D471</u>		
	Hardness Change, pts	-15 ~ +5	-11
	Tensile Strength Change, %	-40	-26
	Elongation Change, %	-20	-9
	Volume Change, %	0 ~ +15	+14
EO88	<u>Fluid Resistance, ASTM #7700 Oil, 70 h at 200C, ASTM D471</u>		
	Hardness Change, pts		-15
	Tensile Strength Change, %		-27
	Elongation Change, %		-22
	Volume Change, %		+19

* This test result is based on the test slab and test button. The actual parts will be different with this test result.

(2005-05-17/cwf)