



Anderson Seal Material Specification Sheet

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

Test Report

Material: FKM 90 (VI901024)

Specification: ASTM D2000 M7HK910 A1-10 A1-11 B38 C12 EO88 EO78 EF31

<u>Original Properties:</u>	<u>Required</u>	<u>Result</u>
Hardness, Shore A, pts	90+/-5	90
Tensile Strength, psi	1450	2110
Elongation, min, %	100	121
Tear Resistance Kg-cm		31
Modulus at 100%		1554
Specific Gravity		1.85
A1-10 <u>Heat Resistance: 70 h at 250C, ASTM D573</u>		
Hardness Change, pts, Shore A	+10	+1
Tensile Strength Change, %	-25	-3
Elongation Change, %	-25	+2
Volume Change		-2
A1-11 <u>Heat Resistance: 70 h at 275C, ASTM D573</u>		
Hardness Change	-5~+10	+2
Tensile Strength Change	-40	-19
Elongation Change	-20	-14
Volume Change		-5
B38 Compression Set, 22 h at 200C, ASTM D395 Method B, Deflection, %, Max	20	14
C12 Ozone Resistance, 50 PPHM X 40C X 70h	PASS	PASS
EO88 <u>ASTM 7700# OIL: 70 h at 200C</u>		
Hardness Change, pts, Shore A	-15 to +5	-14
Tensile Strength Change, %	-40	-12
Elongation Change, %	-20	+4
Volume Change, %	-25	+15



Anderson Seal

Material Specification Sheet

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

EO78	<u>ASTM 101# OIL: 70 h at 200C</u>		
	Hardness Change, pts, Shore A		-11
	Tensile Strength Change, %		-17
	Elongation Change, %		-11
	Volume Change, %		+12
EF31	<u>Fluid C Resistance, 70 h at 23C, ASTM D471</u>		
	Hardness Change, pts	+/-5	-4
	Tensile Strength Change, %	-25	-10
	Elongation Change, %	-20	-2
	Volume Change, %	0~+10	+3

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

2005-03-14/mf