



# Anderson Seal

## Material Specification Sheet

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

### Test Report

\*\*\*\*\*

Material: NBR 70 (NB701002)

Specification: ASTM D2000 2BG 720 A14 B14 EA14 EO14 EO34 EF11 EF21 F17

<u>Original Properties:</u>	<u>Required</u>	<u>Result</u>
Hardness, Shore A, pts	70 ±5	69
Tensile Strength, psi	2000	2100
Elongation, min, %	250	462
A14 <u>Heat Aged: 70 h at 100°C, ASTM D573</u>		
Hardness Change, pts, Shore A	±15	+ 4
Tensile Strength Change, %	±30	+ 7
Elongation Change, %	-50	-21
B14 <u>Compression Set, 22 h at 100°C, ASTM D395 Method B, Deflection, 25%, Max</u>	25	13.4
EA14 <u>Water Resistant, 70 h at 100°C, ASTM D471</u>		
Hardness Change, pts, Shore A	±10	- 2
Volume Change, %	±15	+ 7.5
EF11 <u>Fluid Resistance, Fuel A, 70 h at 23°C, ASTM D471</u>		
Hardness Change, pts, Shore A	±10	- 3
Tensile Strength Change, %	-25	- 5
Elongation Change, %	-25	-12
Volume Change, %	-5~+10	+5.5
EF21 <u>Fluid Resistance, Fuel B, 70 h at 23°C, ASTM D471</u>		
Hardness Change, pts, Shore A	0~-30	-16
Tensile Strength Change, %	-60	-27
Elongation Change, %	-60	-36



# Anderson Seal

## Material Specification Sheet

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

	Volume Change, %	0~+40	+24
EO14	<u>Fluid Resistance, ASTM #1 Oil, 70 h at 100°C, ASTM D471</u>		
	Hardness Change, pts	-5~+10	+ 3
	Tensile Strength Change, %	-25	+ 7
	Elongation Change, %	-45	-21
	Volume Change, %	-10~+5	- 7
EO34	<u>Fluid Resistance, ASTM #3 Oil, 70 h at 100°C, ASTM D471</u>		
	Hardness Change, pts	-10~+5	- 4
	Tensile Strength Change, %	-45	- 9
	Elongation Change, %	-45	-25
	Volume Change, %	0~+25	+ 6
F17	Low Temperature Resistance, ASTM D2137, Method A, 9.3.2, Nonbrittle after 3 min at -40°C	Pass	Pass

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

2004-05-05/cwf