



O-Ring Division
 2360 Palumbo Drive
 Lexington, KY 40509
 (859) 269-2351

Date: 7/12/2006
 Compound: V1274/V965
 Batch: 1
 Part Size: T0303075/2-214
 Test Specimen: PLATEN
 Specification:
 Customer:
 Test Lab Location: LEXINGTON
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LABORATORY TEST REPORT

<u>Original Physical Properties</u>	Test Method	V1274 Test Results	V0965 Test Results
Hardness, Shore A, pts.	ASTM D2240	81	82
Tensile Strength, psi, min(Mpa)	ASTM D412	1724	1845
Ultimate Elongation, % min	ASTM D412	182	257
Modulus @ 100% Elongation, min.(Mpa)	ASTM D412	708	626
Acid Age			
<u>Concentrated Sulfuric Acid 168 hrs @ R.T</u>			
Hardness Change,max.	ASTM D471	-1	+1
Tensile Strength Change, max		-27	-16
Ultimate Elongation Change, max		-19	-12
Modulus @ 100% Change, %		+4	-7
Compression Set, %		17	32
Volume Change, % Max		+1	+2
Acid Age			
<u>Concentrated Nitric Acid 168 hrs @ R.T</u>			
Hardness Change,max.	ASTM D471	0	+1
Tensile Strength Change, max		+6	-3
Ultimate Elongation Change, max		+5	+17
Modulus @ 100% Change, %		+17	-18
Compression Set, %		29	36
Volume Change, % Max		+1	+10
Acid Age			
<u>Concentrated Ammonium Hydroxide Acid 168 hrs @ R.T</u>			
Hardness Change,max.	ASTM D471	+1	+2
Tensile Strength Change, max		+45	-9
Ultimate Elongation Change, max		+37	+12
Modulus @ 100% Change, %		+24	-12
Compression Set, %		27	35
Volume Change, % Max		+1	+4
Acid Age			
<u>Concentrated Diluted Phosphoric Acid 168 hrs @ R.T</u>			
Hardness Change,max.	ASTM D471	+1	+3
Tensile Strength Change, max		+8	+13
Ultimate Elongation Change, max		+3	+27
Modulus @ 100% Change, %		+12	-3
Compression Set, %		22	35
Volume Change, % Max		0	0
Acid Age			
<u>Concentrated Hydrochloric Acid 168 hrs @ R.T</u>			
Hardness Change,max.	ASTM D471	+1	+1
Tensile Strength Change, max		+26	+18
Ultimate Elongation Change, max		+12	+26
Modulus @ 100% Change, %		+16	-1
Compression Set, %		20	19
Volume Change, % Max		-1	+3



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LABORATORY TEST REPORT

Fluid Age

Distilled Water, 168 hrs @ 212 °F

Hardness Change,max.
 Tensile Strength Change, max
 Ultimate Elongation Change, max
 Modulus @ 100% Change, %
 Compression Set, %
 Volume Change, % Max

Test Method	V1274 Test Results	V0965 Test Results
ASTM D471	-1	+3
	+2	-27
	+1	-6
	+20	-16
	47	54
	+2	+5

* Compression Set based on 13% original deflection

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

Tested By: _____
 Tammy Blount, Laboratory Technician II

Approved By: _____
 Linda Ziegler, Division Technical Director