

SUMMARY OF TEST DATA:I. Cigarette Cartons (Low Density), Fourth Quarter, 1973

	Thickness, Inches	Stiffness, Taber			Tear, Grams		Gloss, ° Gardner	Wt. Lbs./ 1,000 Sq.Ft.	No. Pallets	No. Q.C. Reports	Q.C. Report Containing Defective M.
		C.D.	M.D.	Total	C.D.	M.D.					
A. <u>CAMEL Cartons</u>											
1. Archer, W. Va.	0.0119	46.23	74.73	120.96	161	166	73	46.46	548	6	0
2. Va. Folding, W. Va.	0.0118	43.75	67.92	111.67	159	174	79	47.31	72	3	0
B. <u>CAMEL K.S. Filter Cartons</u>											
1. Archer, W. Va.	0.0119	43.02	68.64	111.66	153	175	73	46.63	175	6	1
2. Va. Folding, W. Va.	0.0119	41.74	71.92	113.66	168	176	81	46.09	41	2	0
C. <u>SALEM K.S. Cartons</u>											
1. Archer, Federal.	0.0119	40.59	78.11	118.70	192	181	66	47.11	924	8	3
2. Archer, W. Va.	0.0118	44.15	75.85	120.00	155	171	69	46.83	187	1	0
3. Va. Folding, W. Va.	0.0120	42.83	71.31	114.14	174	176	80	46.11	84	4	1
D. <u>SALEM Super K.S. Cartons</u>											
1. Archer, W. Va.	0.0117	45.00	75.00	120.00	188	184	79	46.64	135	1	1
2. Va. Folding, W. Va.	0.0119	43.87	69.17	113.04	163	170	78	46.92	352	17	4
E. <u>WINSTON K.S. Cartons</u>											
1. Archer, W. Va.	0.0118	43.34	69.51	112.85	161	175	75	46.62	2316	20	2
2. Va. Folding, W. Va.	0.0117	43.54	69.84	113.38	159	166	85	46.15	144	8	2
F. <u>WINSTON C.P. Cartons</u>											
1. Archer, W. Va.	0.0119	43.10	68.85	111.95	181	178	75	45.91	99	3	1
2. Va. Folding, W. Va.	0.0121	40.47	66.69	107.16	152	170	86	46.64	82	6	0
G. <u>WINSTON SKS Filter Ctns.</u>											
1. Archer, W. Va.	0.0120	44.92	72.33	117.25	154	167	62	46.98	428	4	0
2. Va. Folding, W. Va.	0.0119	46.75	72.57	119.32	162	166	76	47.40	199	9	0

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SUMMARY OF TEST DATA:

II. Cigarette Wrappers, Fourth Quarter, 1973

	Thickness, Inches	Stiffness, Gurley- (Direct Reading 2" x 2-1/2")*			Tear, Grams		Ream Wt., Lbs.** (25" x 38"-500)	No. Pallets	No. Q.C. Reports	Q.C. Reports Containing Defective Mat.
		C.D.	M.D.	Total	C.D.	M.D.				
A. <u>CAMEL Wrappers</u>										
1. Multi-Colortype, Kalamazoo	0.0033	1.60	2.46	4.06	48.0	47.1	60.60	394	31	0
2. Int. Playing Card, Kalamazoo	0.0032	1.84	2.61	4.45	45.4	42.5	59.96	79	5	3
B. <u>CAMEL K.S. Filter Wrappers</u>										
1. Archer, Mead	0.0032	1.95	3.35	5.30	61.0	55.0	63.07	8	1	0
2. Multi-Colortype, Mead	None									
3. Archer, W. Va.	0.0031	1.98	2.68	4.66	51.3	46.4	60.55	110	3	2
C. <u>SALEM K.S. Wrappers</u>										
1. Archer, Mead	0.0032	1.72	3.06	4.78	59.6	53.1	62.55	704	7	1
2. Multi-Colortype, Mead	None									
D. <u>SALEM Super K.S. Wrappers</u>										
1. Archer, Mead	0.0032	1.69	3.11	4.80	57.5	48.8	61.12	49	3	2
2. Multi-Colortype, Mead	0.0033	1.74	2.97	4.71	58.4	51.1	62.01	332	15	0
E. <u>WINSTON K.S. Wrappers</u>										
1. Archer, Mead	0.0033	1.72	3.09	4.81	60.8	53.1	61.69	1610	15	10
2. Multi-Colortype, Mead	0.0033	1.71	2.99	4.70	59.0	51.5	62.07	145	10	0
F. <u>WINSTON S.K.S. Filter Wrappers</u>										
1. Archer, Mead	0.0039	1.76	3.48	5.24	65.1	57.7	67.35	357	6	0
2. Multi-Colortype, Mead	0.0042	1.81	3.64	5.45	63.8	56.0	68.73	222	12	1

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*To convert to standard 1" x 3", multiply by 44.4.

SUMMARY OF TEST DATA:

III. Crush Proof Boxes, Fourth Quarter, 1973

	Thickness, Inches	Weight, Grams/25	Weight, Lbs./ 1,000 Sq. Ft.	No. Q. C. Reports	Q. C. Reports Containing Defective Mat.
A. <u>CAMEL Crush Proof 4's</u>					
1. Va. Folding, West Va.	0.0123	-	52.15	1	0
B. <u>SALEM K.S. Crush Proof 4's</u>					
1. Va. Folding, West Va.	0.0123	70.6	52.37	3	0
C. <u>SALEM K.S. Crush Proof 10's</u>					
1. Va. Folding, West Va.	None				
D. <u>WINSTON K.S. Crush Proof 4's</u>					
1. Va. Folding, West Va.	0.0121	70.9	52.03	4	0
E. <u>WINSTON K.S. Crush Proof 10's</u>					
1. Va. Folding, West Va.	0.0116	89.1	47.08	1	0
F. <u>WINSTON K.S. Crush Proof 20's</u>					
1. Archer, West Va.	0.0119	125.0	46.44	12	4
Low Density Board					
2. Va. Folding, West Va.	0.0118	124.9	46.44	16	0
Low Density Board					
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IV. Tear Tape

	Thickness, Inches	Width, MM.	Tensile Strength, Pounds	Yield, Ft./Lb. Actual	At Optimum Width ¹	No. Q. C. Reports
A. <u>Red Tear Tape</u>						
1. Arlin (3/32")	0.0018	2.33	8.94	15,663	15,334	1
B. <u>Gold Tear Tape</u>						
1. Arlin (3/32")	0.0018	2.44	9.31	14,999	15,377	2
2. Arlin (1/16")	0.0019	1.70	6.55	20,245	21,646	3
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¹ Optimum Width, 1/16" = 1.59 mm.

² Optimum Width, 3/32" = 2.38 mm.

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SUMMARY OF TEST DATA:

V. Cigarette Tipping, Fourth Quarter, 1973

	Thickness, Inches	Stiffness Gurley*	Tensile Strength, Lbs./In.		Weight, G./Sq. Meter	Width, mm.	Opacity, Percent	Porosity, Sec./ 100 ml./			No. Pallets	No. Q.C. Reports
			Wet	Dry				Sq. in. Gurley	Tear, C.D.	Grams M.D.		
A. <u>Cork Tipping</u> (50 mm.)												
1. Archer, Schweitzer	0.0018	1.43	0.61	13.79	33.06	50.1	91	3,188	13.7	12.8	191	4
2. Archer, Allied	0.0018	1.75	0.70	14.51	33.69	50.1	91	2,832	15.8	15.6	322	5
B. <u>Gold Stripe</u>												
<u>Cork Tipping</u> (62 mm.)												
1. Archer, Ecusta	0.0021	2.35	0.92	17.03	37.92	62.3	93	2,092	17.2	15.6	238	5
C. <u>Green Stripe</u>												
<u>White Tipping</u> (50 mm.)												
1. Archer, Ecusta	0.0023	2.92	1.80	15.18	40.87	50.1	90	2,137	19.2	17.1	67	2
2. Hermetite, Ecusta	0.0022	3.18	1.71	14.65	40.55	50.1	90	2,619	19.3	17.2	-	7
D. <u>Green Stripe</u>												
<u>White Tipping</u> (62 mm.)												
1. Archer, Ecusta	0.0022	3.30	1.82	14.64	40.72	62.1	91	2,370	17.7	16.1	72	2
E. <u>DORAL Gold Stripe</u>												
<u>White Tipping</u> (60 mm.)												
1. Ecusta (Old & new filler)	0.0018	2.62	1.83	15.41	41.04	60.2	92	2,500+	17.4	14.4	-	2
F. <u>VANTAGE Tipping</u> (60 mm.)												
1. Archer, Schweitzer	0.0022	3.11	2.54	12.88	42.84	60.2	99	6,484	16.1	14.4	72	3

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* Direct reading 1" x 1" - to convert to standard 1" x 3", multiply by 5.56

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SUMMARY OF TEST DATA:

VI. Cigarette and Plug Wrap Paper, Fourth Quarter, 1973

	Q.C. Reports Containing Defective Material	Width, MM.	Weight, G./Sq. Meter	Thickness, MM.	Porosity, Sec./ 100 ML./Sq. In. Gurley	Dry Tensile Strength, Pounds	Wet Tensile Strength, Pounds	Opacity, Percent	No. Q.C. Report
A. <u>Plug Wrap Paper</u>									
1. Ecusta, Ref. 29612	0	27.2	25.57	0.0479	0.91	12.85	-	46	1
2. Ecusta, Ref. 29622	2	27.0	26.94	0.0370	383.48	16.16	-	63	4
3. Ecusta, Ref. 29626	0	27.0	25.77	0.0534	0.46	9.19	-	53	6
4. Ecusta, Ref. 29644	1	26.5	27.05	0.0363	417.30	13.01	-	64	4
5. Schweitzer, Ref. 248	2	27.1	26.17	0.0378	406.73	17.52	-	59	3
B. <u>Ref. 853 Cigarette Paper</u>									
1. Ecusta	0	27.5	24.47	0.0393	16.77	5.88	0.13	79	11
2. Schweitzer	0	Not Qualified							
3. Bollore	0	None							
C. <u>Ref. 855 Cigarette Paper</u>									
1. Ecusta	1	27.5	25.07	0.0372	35.10	6.28	0.20	79	1
2. Schweitzer	0	Not Qualified							
3. Bollore	0	27.5	24.54	0.0380	29.70	6.72	0.52	79	1
D. <u>Ref. 856 Cigarette Paper</u>									
1. Ecusta	2	27.5	24.59	0.0377	30.39	6.63	0.16	80	16
2. Schweitzer	10	27.5	23.97	0.0379	30.93	6.50	0.23	75	37
3. Bollore	1	27.5	24.53	0.0380	31.17	6.27	0.55	79	4
E. <u>WINCHESTER Little Cigar Wrap</u>									
1. Schweitzer		None							88

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SUMMARY OF TEST DATA:

VII. Corrugated Boxes: Fourth Quarter, 1973

1. Cigarette Division:

1. <u>Cigarette Division:</u>									
	<u>Mullen Bursting Strength, PSI</u>			<u>No.Cases</u>	<u>No.Cases</u>	<u>Percent</u>	<u>Percent of Tests</u>	<u>Average</u>	<u>No</u>
	<u>Inside-Out</u>	<u>Outside-In</u>	<u>Average</u>	<u>Tested</u>	<u>Failing</u>	<u>Failures</u>	<u>Below Min. PSI</u>	<u>Cases Wt.</u>	<u>Q.C</u>
								<u>Lbs.-Oz.</u>	<u>Reps</u>
A. <u>CAMEL Cases, 200 PSI</u>									
1. Container Corp.	262	261	262	30	0	0	0.6	1 - 7.3	5
2. Southern	234	231	232	30	1	3.3	0.9	1 - 7.0	5
B. <u>SALEM KS Cases, 200 PSI</u>									
1. Container Corp.	247	249	248	6	0	0	0	1 - 9.1	1
2. Westvaco	236	235	236	18	0	0	3.7	1 - 9.0	3
3. Southern	240	237	238	24	0	0	2.8	1 - 9.5	4
C. <u>WINSTON KS Cases, 200 PSI</u>									
1. Container Corp.	254	250	252	18	0	0	2.8	1 - 9.9	3
2. Weyerhaeuser	216	226	221	18	0	0	0.9	1 - 9.2	3
3. Southern	239	230	235	18	0	0	2.8	1 - 9.4	3
D. <u>WINSTON SKS Cases, 200 PSI</u>									
1. Container Corp.	256	261	259	12	0	0	0	1 -12.7	2
2. Southern	240	237	238	42	0	0	1.2	1 -12.2	7
3. Union Camp	238	228	233	12	0	0	9.7	1 -13.4	2

2. Plug Division:

A. <u>All Brands</u>									
1. Container Corp.	227	229	228	12	0	0	0	0 - 9.6	3

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3. Smoking Division:

A. <u>All Brands</u>	None
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VIII. Smoking Tobacco Cartons, Fourth Quarter, 1973

	Thickness, Inches	Stiffness, Taber			Tear, Grams		Weight, Lbs./1000 Sq.Ft.	No. Q. C. Report
		C.D.	M.D.	Total	C.D.	M.D.		
A. <u>PRINCE ALBERT Cartons</u> (1/12 Gross Tins) (Automatic)								
1. Diamond National	0.0158	95.1	177.8	272.9	430	422	785/21	3

B. Smoking Tobacco Pouch Material

	Thickness, Inches	Tear, Grams		M.D. Seal, Lbs./In.	Weight, G./ Sq. Meter	Gloss°, Gardner	No. Q.C. Reports
		C.D.	M.D.				
A. <u>PRINCE ALBERT</u>							
1. Rey. Metals (Soft)	0.0031	32.6	27.9	-	98.18	97	14
B. <u>CARTER HALL</u>							
1. Rey. Metals (Soft)	0.0030	33.0	31.3	-	101.77	93	16
C. <u>GEORGE WASHINGTON</u>							
1. Continental Can	None						
D. <u>MADEIRA</u>							
1. Continental Can	None						30

X. Printed Cellophane

	Thickness, Inches	Yield, Sq. In./ Lb.	No. Q. C. Reports
A. <u>PRINCE ALBERT</u>	None		
B. <u>CARTER HALL</u>	None		
C. <u>GEORGE WASHINGTON</u>	None		

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XI. Cigarette Paper Booklets

	Glue Thickness, Inches	Porosity, Sec./100 ML./ Sq. In. Gurley	Opacity, Weight, G./ Percent Sq. Meter	No. Q.C. Report
A. <u>TOP</u>				
1. Ecusta	0.0006	82.31	70	16
2. Schweitzer	None			
B. <u>PRINCE ALBERT & OCB</u>				
1. Ecusta	NA	121.73	47	5

SUMMARY OF TEST DATA:

XII. Plug Tobacco Cartons, Fourth Quarter, 1973

	<u>Thickness, Inches</u>	<u>Stiffness, Taber</u>			<u>Tear, Grams</u>		<u>Weight, Lbs./ 1,000 Sq. Ft.</u>	<u>No. Q. C. Reports</u>
		<u>C. D.</u>	<u>M. D.</u>	<u>Total</u>	<u>C. D.</u>	<u>M. D.</u>		
A. <u>Regular Cartons</u>								
1. Old Dominion	0.0158	51	189	240	263	188	67.23	4

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SUMMARY OF TEST DATA:

XIII. Cigarette Cellophane, Fourth Quarter, 1973

	<u>Thickness, Inches</u>	<u>Yield, Sq. In./Lb.</u>	<u>No. Q.C. Tests</u>
A. <u>Olin</u>			
4-1/4" 235 MT 39	0.0008	23,766	2
4-5/8" 235 MT 39	0.0009	23,488	10
5-3/16" 235 MT 39	0.0008	23,768	2
4-5/8" 250 SD 139	0.0009	24,002	7
B. <u>DuPont</u>			
4-5/8" T12HY	0.0008	23,922	12
5-3/16" T12HY	0.0009	24,322	1
4-5/8" T250	0.0008	25,142	7
C. <u>Avisco</u>			
4" 235 TMI	0.0009	23,339	1
4-5/8" 235TMI	0.0009	23,610	<u>11</u>
			53