



Paper & Paperboard Interlaboratory Testing Program

Report #2885

Analysis 332

May 2017

Elongation to Break - Packaging Papers

TAPPI Official Test Method T494

WebCode	Data Flag	Sample SE43			Sample SE44			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
2ZUNMA		1.890	0.136	0.64	2.133	0.150	0.55	XX
3U4RHJ		1.658	-0.096	-0.45	1.826	-0.157	-0.58	LA
6RAKCD		1.605	-0.149	-0.70	1.745	-0.238	-0.87	LE
6XVDQX		1.600	-0.154	-0.72	1.905	-0.078	-0.29	XX
73KCFD		1.663	-0.091	-0.43	1.887	-0.096	-0.35	TB
78CN73		1.917	0.163	0.76	2.109	0.126	0.46	TH
84TQFR		1.675	-0.079	-0.37	1.863	-0.120	-0.44	LH
8PPPGV		1.709	-0.045	-0.21	1.968	-0.015	-0.06	ID
9BP97M		1.784	0.030	0.14	2.085	0.102	0.37	TB
ACGGX4		2.245	0.491	2.30	2.656	0.672	2.47	IK
AP89KT		1.650	-0.104	-0.49	1.870	-0.113	-0.42	XX
B8DAMQ		1.223	-0.531	-2.48	1.344	-0.639	-2.34	XX
CU9BEJ		1.439	-0.315	-1.47	1.630	-0.353	-1.30	XX
CVK4B8		1.746	-0.008	-0.04	2.012	0.029	0.11	TA
D66UDP		2.010	0.256	1.20	2.251	0.268	0.98	IM
HC9CRR		1.970	0.216	1.01	2.110	0.127	0.47	IN
HTZXMJ		1.626	-0.128	-0.60	1.842	-0.141	-0.52	TR
JNZDUK		1.659	-0.095	-0.44	1.956	-0.027	-0.10	IM
JVHQNC		1.877	0.123	0.57	2.106	0.123	0.45	TO
LFJG3H		1.655	-0.099	-0.46	1.857	-0.126	-0.46	LH
LQJW4G		2.111	0.357	1.67	2.346	0.363	1.33	TH
MQBA4E		1.960	0.206	0.96	2.320	0.337	1.24	TO
NTFDDF		1.844	0.090	0.42	2.123	0.140	0.51	TK
NTVLFP		1.697	-0.057	-0.27	1.896	-0.087	-0.32	TA
P8T84W		1.610	-0.144	-0.67	1.817	-0.166	-0.61	LW
QQHTF8	X	2.199	0.445	2.08	2.793	0.810	2.97	TP
T4ZKT7	X	2.965	1.211	5.66	3.000	1.017	3.73	ID
U33HR9		1.601	-0.153	-0.72	1.789	-0.194	-0.71	LW
UMWZ2A		1.837	0.083	0.39	2.258	0.275	1.01	XX
V8UXT2		1.966	0.212	0.99	2.322	0.339	1.24	XX
VZCH8H		1.735	-0.019	-0.09	1.912	-0.071	-0.26	LE
X8J7RV		1.991	0.237	1.11	2.416	0.433	1.59	XX
XD8TKE		1.540	-0.214	-1.00	1.768	-0.215	-0.79	LA
XLN6Z2	*	1.918	0.164	0.77	1.985	0.002	0.01	TO
YDQU6W		1.857	0.103	0.48	2.034	0.050	0.18	TR
YKTY2M		2.110	0.356	1.66	2.330	0.347	1.27	IF
YRRJ63		1.631	-0.123	-0.58	1.824	-0.159	-0.58	LE
YXTXNJ		1.638	-0.116	-0.54	1.765	-0.218	-0.80	LH
ZAMFWW	X	2.301	0.547	2.56	2.412	0.429	1.57	TT
ZD4XXE	*	1.302	-0.452	-2.11	1.285	-0.698	-2.56	IN



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		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
ZR9YXB		1.707	-0.047	-0.22	2.018	0.035	0.13	TO

Sample SE43		Summary Statistics	Sample SE44	
Grand Means	1.7541 Percent		1.9832 Percent	
SD Btwn Labs	0.2139 Percent		0.2726 Percent	
Statistics based on 38 of 41 reporting participants				

Comments on Assigned Data Flags for Test #332

T4ZKT7 (X) - Data for both samples are high. Inconsistent within the determinations of sample SE43.

ZAMFWW (X) - Inconsistent in testing between samples.

QQHTF8 (X) - Data for sample SE44 are high.

Key to Instrument Codes Reported by Participants

ID	Instron 4201	IF	Instron 3340 Series
IK	Instron 4400 Series	IM	Instron 5500 Series
IN	Instron 3360 Series	LA	L & W Autoline 300
LE	L & W Tensile Tester 066	LH	L & W Alwetron TH1 (Horizontal) SE 060
LW	L & W Tensile Tester SE062	TA	Thwing-Albert Tensile Tester
TB	Thwing-Albert EJA/1000	TH	Thwing-Albert QC-3A
TK	Thwing-Albert Model 37-4	TO	Thwing-Albert QC-1000
TP	TMI Monitor/Tensile 100 (84-21-01)	TR	TMI Horizontal Tensile Tester
TT	Tinius Olsen Model MHT	XX	Instrument make/model not specified by lab



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Grand Mean Sample **SE43** = 1.7541 Percent

Grand Mean Sample **SE44** = 1.9832 Percent

