Statex Lab data

Autoconer Wrapping Test Report

02-01-2012
15:29:13

Test No : 6078
Test Date : 01-01-2012
Test Time : 14:34:08
Shift : Shift 1

Nominal Count : 40.00 Nec
Nominal Strength : 62 lbs
Sample Length : 120 Yards
Process : 40s KW

WB Temp : 73 `F
DB Temp : 82 `F
RH : 64%
Operator : Admin

Machine		Readings 1	2	3	4	Avg. Value	RHC. Value	Cnt.Corr. Strength	CV%	Change Advice
AUTOCONER 2	Cnt	40.70	40.05	39.39	40.52	40.21	40.13	72.25	1.24	
	Str	72.46	72.76	71.23	66.82	71.77	72.35		3.01	
	CSP	2949	2914	2806	2708	2886	2903		3.19	
		40.86	40.37	40.45	40.45					
		72.36	70.61	75.12	72.05					
		2956	2851	3039	2914					
		39.49	39.85							
		73.28	71.02							
		2894	2830							

Statistical Report

	Nom.	Avg.	Min.	Max.	Range	CV%	RHC.	Q95
Count	40.00	40.21	39.39	40.86	1.47	1.24	40.13	0.35
Strength	62.00	71.77	66.82	75.12	8.30	3.01	72.35	1.52
CSP	2480	2886	2708	3039	331	3.19	2903	64.89

Process capability:-	Expected	Achieved	Exp. CV%
Count	38.80 <-> 41.20	38.71 <-> 41.71	1.00
Strength	58.28 <-> 65.72	65.28 <-> 78.26	2.00
CSP	2182 <-> 2778	2610 <-> 3162	4.00

Count : No critical difference (Calculated : 0.5328% Normal : 4%)
Strength : Critically different (Calculated : 14.6084% Normal : 8%)
CSP : In Units of Nec.lbs

Remarks:- REGULAR

Operator QCM Manager

TU	UT5-1	Catalog	U1	Temp	28.4 °C	Rel.H	46.8 %
Style	CONE	Sample ID	07278	Nom. count	Nec 40	Nom. twist	25.95 T/inch
Tests	10 / 1	v= 400 m/min	t= 1 min	Meas. slot	4	Short staple	

STANDARD REPORT

Article 40SKW Material class Yarn Mach. Nr. AC-03
Uster Statistics CO 100%, carded, ring-spun, cone, weaving 2007
Fiber Cotton 3.5Micr 31mm 100%
EXPORT

Total tests : 10 / 10 Single test(s)

Nr	U% %	CVm %	Index	Thin -30% /km	Thin -40% /km	Thin -50% /km	Thick +35% /km	Thick +50% /km	Neps +200% /km	Neps +280% /km	Rel. Cnt ± %	H	sh
1	12.85	16.45	1.70	3523	515.0	22.5	1510	322.5	835.0	175.0	-0.0	6.39	1.48
2	13.01	16.67	1.73	3158	385.0	5.0	1520	375.0	745.0	150.0	1.3	5.78	1.45
3	12.67	16.23	1.68	3190	335.0	12.5	1460	365.0	760.0	172.5	-1.6	6.16	1.49
4	12.37	15.81	1.64	2745	262.5	2.5	1273	282.5	715.0	130.0	1.1	6.71	1.58
5	12.42	15.88	1.64	2995	332.5	7.5	1300	292.5	730.0	107.5	-0.1	6.51	1.58
6	12.29	15.72	1.63	2708	265.0	7.5	1238	265.0	582.5	130.0	0.7	6.13	1.45
7	12.60	16.13	1.67	3168	412.5	22.5	1458	295.0	802.5	135.0	-1.9	6.45	1.59
8	12.63	16.13	1.67	3025	350.0	7.5	1430	317.5	757.5	102.5	0.7	6.27	1.57
9	12.80	16.49	1.71	3170	365.0	12.5	1438	317.5	715.0	175.0	-0.9	6.25	1.46
10	12.86	16.38	1.70	3068	417.5	10.0	1450	365.0	692.5	132.5	0.6	6.03	1.47
Mean	12.65	16.19	1.68	3075	364.0	11.0	1408	319.8	733.5	141.0	0.0	6.27	1.51
CV	1.9	2.0	2.0	7.6	20.6	61.7	7.1	11.8	9.3	18.8	1.1	4.2	3.9
s	0.24	0.32	0.03	234	75.0	6.8	100	37.9	68.0	26.5	1.1	0.27	0.06
Min	12.29	15.72	1.63	2708	262.5	2.5	1238	265.0	582.5	102.5	-1.9	5.78	1.45
Max	13.01	16.67	1.73	3523	515.0	22.5	1520	375.0	835.0	175.0	1.3	6.71	1.59
Q95	0.17	0.23	0.02	167	53.6	4.9	72	27.1	48.7	19.0	0.8	0.19	0.04

U% - 12.65

11.0

319.8

733.5

1064.3