

Test Report - CSP

Dry :68 °F Wet :60 °F RH : 60.00 % Test Date & Time : 11-May-25 3:55 pm
Test ID : 25309 No. of Test : 20 Count Type : 28KH Nom. Strength : 85 (lbf)
Dept. : Auto Coner Lot No. : Nom. Count : 28.50 (NeC) Sam. Length : 120.00 yard
Shift : General Operator : DAKSHA

Machine	Y.C.P	Test No.	Weight (g)	Count (NeC)	RH Count (NeC)	Strength (lbf)	CSP	RH CSP	Elongation (%)
		1	2.248	28.820	28.734	81.90	2360	2353	19.10
		2	2.270	28.541	28.455	80.13	2287	2280	17.00
		3	2.301	28.157	28.072	87.67	2468	2461	20.00
		4	2.278	28.441	28.355	82.76	2354	2347	20.10
		5	2.259	28.680	28.594	84.15	2413	2406	17.90
		6	2.255	28.731	28.645	81.70	2347	2340	17.00
		7	2.324	27.878	27.794	87.12	2429	2421	18.40
		8	2.253	28.756	28.670	87.32	2511	2503	20.30
		9	2.318	27.950	27.866	85.71	2396	2388	19.60
		10	2.308	28.071	27.987	81.50	2288	2281	17.10
		11	2.275	28.478	28.393	85.53	2436	2428	20.80
		12	2.265	28.604	28.518	88.05	2519	2511	18.60
		13	2.253	28.756	28.670	82.95	2385	2378	18.70
		14	2.246	28.846	28.759	88.31	2547	2540	19.80
		15	2.248	28.820	28.734	81.19	2340	2333	16.50
		16	2.332	27.782	27.699	86.90	2414	2407	19.80
		17	2.283	28.378	28.293	86.33	2450	2443	18.10
		18	2.248	28.820	28.734	79.98	2305	2298	17.70
		19	2.253	28.756	28.670	85.98	2472	2465	20.60
		20	2.251	28.782	28.696	85.16	2451	2444	17.80
		Average	2.273	28.502	28.417	84.52	2409	2401	18.75
		CV %		1.23	1.23	3.28	3.14	3.14	7.10
		Min.		27.782	27.699	79.98	2287	2280	16.50
		Max.		28.846	28.759	88.31	2547	2540	20.80
		Range		1.064	1.061	8.33	260	260	4.30
		SD		0.35	0.35	2.77	75.65	75.48	1.33
		Q95 (±)		0.16	0.16	1.29	35.29	35.21	0.62
		Q99 (±)		0.22	0.22	1.76	48.12	48.01	0.85

Remarks : NE 30/1 SC JK YARN LOT INSPECTION LOT NO: 28026

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JK
NE 30/1 SC
100% COTTON YARN
LOT : 28026

11/5/25

FEATHER REPORT

5/11/2025 4:10 PM

USTER® TESTER 6	24.3.5.0	Process step	Winding	Tests	20/1	Temperature	24.5 °C
Operator	Operator	Material class	Normal Yarn	Test speed	400.00 m/min	Rel. humidity	34.5 %
Test ID	1369	Measuring slot	Automatic M53	Test time	1.00 min	Absorber	Medium
FYP config.		IP analysis	Short	Test length	400.00 m	Yarn type	Normal
Product	28KH	Nom. count	28.50 Ne	Fibers	100% Cotton 4.00 Mic 30.00 mm		
Lot ID	Not specified	Nom. twist	20.80 T/inch,	USTER® STATISTICS	100% CO, ring yarn, carded, package, knitting, 2023		
Machine	U1-YCP-11	Processing	Carded	Comment	NE 30/1 SC JK YARN LOT INSPECTION LOT NO: 28026		
Mill unit	1	Application	Knitting				

No.	U	CVm	CVm 1m	CVm 3m	CVm 10m	Thin -30%	Thin -40%	Thin -50%	Thick 35%	Thick 50%	Neps 140%	Neps 200%	Total IP Stand.	Index	H	sh
	%	%	%	%	%	/km	/km	/km	/km	/km	/km	/km	/km			
1 / 1	11.43	14.59	4.34	3.45	2.52	1,935	153	5	940	205	1,655	350	560	1.67	7.86	1.81
2 / 1	11.73	15.02	5.00	4.19	3.20	1,903	138	3	1,045	183	1,473	270	455	1.72	7.63	1.77
3 / 1	11.90	15.29	4.66	3.73	2.87	2,223	225	8	1,050	205	1,613	343	555	1.75	7.50	1.82
4 / 1	12.20	15.63	4.43	3.32	2.40	2,525	225	3	1,268	285	1,768	355	643	1.79	7.35	1.75
5 / 1	11.83	15.15	4.70	3.73	2.78	2,333	175	5	1,040	213	1,655	288	505	1.74	7.38	1.76
6 / 1	11.49	14.63	4.07	3.00	2.14	2,010	155	3	843	155	1,358	203	360	1.68	7.92	1.79
7 / 1	11.85	15.17	4.42	3.25	2.53	2,298	220	5	1,038	153	1,513	248	405	1.74	7.56	1.75
8 / 1	11.87	15.24	5.15	4.20	3.16	2,110	193	3	1,045	188	1,618	273	463	1.75	7.83	1.92
9 / 1	12.20	15.59	5.02	3.96	2.94	2,578	258	0	1,150	213	1,803	300	513	1.79	7.91	1.90
10 / 1	11.98	15.31	4.54	3.44	2.64	2,458	228	5	1,150	235	1,683	318	558	1.76	7.55	1.82
11 / 1	11.77	15.04	4.57	3.50	2.42	1,983	190	5	1,018	180	1,508	315	500	1.73	7.57	1.72
12 / 1	11.16	14.49	4.77	3.81	3.30	1,495	75	0	885	143	1,438	255	398	1.66	7.36	1.76
13 / 1	11.42	14.67	4.72	3.61	2.63	1,860	110	3	823	133	1,615	298	433	1.68	7.65	1.76
14 / 1	12.11	15.44	4.91	3.84	2.67	2,460	198	3	1,143	193	1,508	258	453	1.77	7.54	1.84
15 / 1	11.66	14.86	4.90	3.96	2.86	1,958	115	0	923	183	1,455	303	485	1.70	7.62	1.86
16 / 1	12.00	15.35	4.96	4.04	3.21	2,460	215	5	1,053	158	1,643	303	465	1.76	7.48	1.83
17 / 1	11.65	14.92	4.72	3.77	2.90	2,073	173	0	1,015	190	1,768	338	528	1.71	7.62	1.86
18 / 1	11.93	15.32	4.57	3.45	2.48	2,368	260	5	1,155	193	1,765	348	545	1.76	7.45	1.81
19 / 1	11.79	15.13	4.14	3.09	2.22	2,373	218	3	1,075	228	2,133	415	645	1.73	7.34	1.78
20 / 1	11.76	15.02	4.35	3.32	2.61	2,140	190	0	1,060	188	1,843	348	535	1.72	7.32	1.79
Mean	11.79	15.09	4.65	3.63	2.72	2,177	186	3	1,036	191	1,640	306	500	1.73	7.57	1.81
CV	2.3	2.2	6.4	9.6	12.1	12.8	26.6	74.5	10.8	18.4	10.8	15.8	15.0	2.2	2.5	2.9
s	0.27	0.32	0.30	0.35	0.33	278	49	2	112	35	177	48	75	0.04	0.19	0.05
Q95	0.13	0.15	0.14	0.16	0.15	130	23	1	52	16	83	23	35	0.02	0.09	0.02
USP™ 2023		51	64	46	50		40	7	61	51	66	45			83	55
Min	11.16	14.49	4.07	3.00	2.14	1,495	75	0	823	133	1,358	203	360	1.66	7.32	1.72
Max	12.20	15.63	5.15	4.20	3.30	2,578	260	8	1,268	285	2,133	415	645	1.79	7.92	1.92

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