

M M YARNS Pvt Ltd,
 KARACHIYA (Jam), GONDAL- ATKOT ROAD
 ATKOT-JASDAN, 360060
 RAJKOT (GUJARAT), INDIA

Test No : 5271
 Test Date : 13-Jan-25
 Test Time : 10:37:50 AM
 Shift : Shift 1

Nominal Count : 40 00 Nec
 Nominal Strength : 61.59 lbs
 Sample Length : 120 Yards
 Process : 40CH

WB Temp : 68 °F
 DB Temp : 77 °F
 RH : 65%
 Operator : Admin

Machine	1	Readings			Avg Value	RHC Value	Cnt.Corr. Strength	CV%	Change Advice
		2	3	4					
CONDITION	Cnt 39.56	40.30	40.37	40.17	40.19	40.19	61.97	1.30	
	Str 64.29	65.60	61.09	61.29	61.59	61.59		3.50	
	CSP 2543	2643	2467	2462	2475	2475		3.62	
	39.85	39.85	40.68	40.25					
	61.84	60.46	62.79	62.23					
	2465	2409	2554	2505					
	40.70	39.37	39.49	40.83					
	62.10	58.87	60.50	57.94					
	2528	2318	2389	2366					
	40.81	40.52	39.32	39.75					
	61.22	63.32	62.59	62.29					
	2498	2566	2461	2476					
	40.86	40.02	40.93	40.17					
	56.16	61.25	63.71	62.15					
	2294	2452	2608	2497					

No-40/1
Combed Knitting
100% Cotton Yarn

Statistical Report

	Nom.	Avg.	Min.	Max.	Range	CV%	RHC.	Q95
Count	40.00	40.19	39.32	40.93	1.61	1.30	40.19	0.24
Strength	61.59	61.59	56.16	65.60	9.44	3.50	61.59	1.00
CSP	2464	2475	2294	2643	349	3.62	2475	41.73

Process capability:-	Expected	Achieved	Exp. CV%
Count	38.80 <-> 41.20	38.62 <-> 41.76	1.00
Strength	57.89 <-> 65.29	55.12 <-> 68.05	2.00
CSP	2168 <-> 2759	2207 <-> 2743	4.00

Count : No critical difference (Calculated : 0.4761% Normal : 2.8284%)
 Strength : No critical difference (Calculated : 0.0078% Normal : 5.6569%)
 CSP : In Units of Nec.lbs

Remarks:- 40/1CH LOT NO-JK/40/19 JK YARN LOT INSPECTION REPORT

Operator

QCM





M M YARNS PVT. LTD.

ATKOT-GONDAL HIGHWAY,RAJKOT,GUJARAT,INDIA.

USTER® TESTER 5 - S400 R 6.0.0.0 Mon 13.01.25 13:04
 TU UT5-1 Catalog M1
 Style YCP CONES Sample ID 59524
 Tests 20 / 1 v= 400 m/min t= 1 min

Operator SUMITRA
 Temp 22.5 °C
 Nom. count Nec 40
 Meas. slot 4

Page 1
 Rel.H 31.4 %
 Nom. twist 23.72 T/inch
 Short staple

MM REPORT

Article 40CH Material class Yarn Mach. Nr.
 Uster Statistics 100% CO, ring yarn, combed, package, knitting, 2018
 Fiber Cotton 4.2dtex 29.8mm 100% Cotton 0%
 40/1CH LOT NO-JK/40/19 JK YARN LOT INSPECTION

Cotton 0%

№-40/1
Combed Knitting
100% Cotton Yarn

Total tests : 20 / 20 Single test(s)

Nr	U%	CVm	CVm 1m	CVm 3m	CVm 10m	Thin -40% /km	Thin -50% /km	Thick +35% /km	Thick +50% /km	Neps +140% /km	Neps +200% /km	Neps +280% /km	Rel. Cnt ± %	DR 1.5m %
1	10.02	12.65	3.68	3.03	2.57	50.0	2.5	282.5	12.5	660.0	80.0	10.0	1.3	16.4
2	10.38	13.10	3.59	3.07	2.68	82.5	0.0	360.0	35.0	590.0	105.0	20.0	0.5	16.7
3	9.64	12.15	3.26	2.51	1.90	40.0	0.0	245.0	15.0	497.5	67.5	10.0	0.9	11.5
4	9.82	12.39	3.61	3.05	2.60	42.5	0.0	265.0	15.0	485.0	52.5	15.0	0.2	15.7
5	9.84	12.42	3.88	3.31	2.70	40.0	0.0	222.5	12.5	630.0	85.0	7.5	0.6	18.9
6	10.01	12.61	3.83	3.37	2.93	75.0	0.0	255.0	15.0	592.5	87.5	12.5	1.1	20.7
7	9.94	12.52	3.50	2.83	2.34	50.0	0.0	257.5	20.0	637.5	92.5	20.0	0.8	14.4
8	10.08	12.74	3.94	3.38	2.86	50.0	0.0	290.0	25.0	705.0	97.5	12.5	1.9	19.8
9	9.92	12.54	3.53	2.86	2.19	65.0	0.0	275.0	20.0	720.0	85.0	5.0	0.8	13.6
10	10.12	12.76	3.84	3.26	2.78	65.0	0.0	262.5	17.5	732.5	75.0	7.5	-0.3	18.0
11	10.01	12.65	4.19	3.65	3.34	47.5	0.0	245.0	30.0	512.5	60.0	15.0	-0.5	23.5
12	9.89	12.54	3.65	3.04	2.55	47.5	0.0	275.0	30.0	480.0	67.5	15.0	-1.0	15.1
13	9.43	11.94	3.52	2.91	2.45	22.5	0.0	190.0	10.0	497.5	65.0	7.5	-0.4	14.7
14	9.57	12.11	3.61	2.95	2.53	35.0	0.0	227.5	27.5	480.0	80.0	7.5	-0.6	16.5
15	10.01	12.64	3.89	3.24	2.78	42.5	0.0	257.5	17.5	710.0	95.0	15.0	0.1	17.5
16	9.78	12.39	3.41	2.71	2.29	55.0	2.5	250.0	15.0	685.0	62.5	7.5	-0.9	11.2
17	9.86	12.44	4.26	3.56	3.09	35.0	0.0	172.5	17.5	480.0	62.5	12.5	-1.1	23.6
18	9.59	12.15	3.41	2.63	2.01	27.5	2.5	222.5	17.5	407.5	45.0	12.5	-0.9	10.3
19	9.80	12.33	3.41	2.74	2.09	45.0	0.0	245.0	20.0	585.0	55.0	7.5	-1.8	10.9
20	10.32	13.01	4.10	3.56	3.17	77.5	0.0	282.5	25.0	555.0	75.0	2.5	-0.7	22.6
Mean	9.90	12.50	3.71	3.08	2.59	49.8	0.4	254.1	19.9	582.1	74.8	11.1	0.0	16.6
CV	2.4	2.3	7.5	10.6	14.9	32.5	244.2	15.4	34.0	17.0	21.9	42.2	1.0	24.61
Q95	0.11	0.14	0.13	0.15	0.18	7.6	0.4	18.3	3.2	46.4	7.7	2.2	0.5	1.9
s	0.24	0.29	0.28	0.33	0.39	16.2	0.9	39.0	6.8	99.0	16.3	4.7	1.0	4.1
Min	9.43	11.94	3.26	2.51	1.90	22.5	0.0	172.5	10.0	407.5	45.0	2.5	-1.8	10.3
Max	10.38	13.10	4.26	3.65	3.34	82.5	2.5	360.0	35.0	732.5	105.0	20.0	1.9	23.6
USP™18		15	47	65	77	< 5	< 5	24	< 5	50	51			

Thin -50%
 Thick +50%
 Neps +200%
 Total

0.4
 19.9
 74.8
 95.1

Operator

QCM

GM