TATA TEXTILE MILLS LIMITED

QC/4/061
ISSUE 01

USTERIZED®

SPECIFICATION OF GREY YARN- LABORATORY RESULTS

Nominal Count (Ne)	20/1 COM KNIT	24/1 COM KNIT	26/1 CDD KNIT	26/1 COM KNIT	30/1 COM KNIT	30/1 COM WVG	30/1 COM WVG COMPACT	32/1 COM WVG COMPACT	40/1 COM WVG COMPACT	50/1 COM WVG COMPACT	60/1 COM WVG COMPACT
Blend	US FIBRE MAX	US FIBRE MAX	US FIBRE MAX	US FIBRE MAX	US FIBRE MAX	US FIBRE MAX	US FIBRE MAX	US FIBRE MAX	US FIBRE MAX	US FIBRE MAX	US FIBRE MAX
Brand	TATA	TATA	TATA	TATA	TATA	TATA	TATA	TATA	TATA	TATA	TATA
Twist Per Inch (TPI)	16.45	18.13	19.75	18.74	20.52	23.85	22.47	23.12	26.51	30.28	24.5
Twist Multiplier (T.M.)	3.73	3.73	3.9	3.65	3.77	4.31	4.07	4.05	4.16	4.26	4.44
Actual Count (Ne)	19.80	23.80	25.80	25.80	29.80	30.60	30.60	32.60	40.6	50.6	60.60
Count CV%	1.05	1.03	1.05	1.01	1.03	0.94	1.12	1.11	1.12	1.16	1.15
Lea Strength (lbs)	122	104	92	94	81	82	101	85	68	54	45
C.L.S.P.	2416	2475	2374	2425	2414	2509	3091	2771	2761	2732	2727
EVENNESS TESTER (UT-5) RESULTS											
Um (%)	8.23	8.62	11.00	8.94	9.5	9.6	9.25	9.45	10.15	10.35	11.11
Thin (-50%) / km	0.0	0.3	3	0.1	0.2	0.3	0.5	0.3	2	4	13
Thick (+50%) / km	4.5	9.0	100	10.0	16	14.0	8.0	7	18	28	60
Neps (+200%) / km	5.5	15	125	18	24	28	22	18	55	88	190
Total IPI	10.0	24.3	228	28.1	40.2	42.3	30.5	25.3	75	120	263
Hairiness (H)	8.15	7.9	7.4	7.34	6.85	6.22	4.34	4.28	3.72	3.55	3.25
USTER TENSOJET 4 RESULTS											
B.Force (gF)	532	447	394	401	339	351	446	415	330	261	216
Elongation (%)	4.05	4.28	3.56	3.31	3.47	3.74	5.00	3.99	3.63	3.52	3.35
RKM	17.85	18	17.2	17.5	17.1	18.2	23.1	22.9	22.7	22.4	22.2
TEST CONDITIONS											
Temperature (C)	23 (+/-) 2	23 (+/-) 2	23 (+/-) 2	23 (+/-) 2	23 (+/-) 2	23 (+/-) 2	23 (+/-) 2	23 (+/-) 2	23 (+/-) 2	23 (+/-) 2	23 (+/-) 2
Humidity (RH%)	65 (+/-) 2	65 (+/-) 2	65 (+/-) 2	65 (+/-) 2	65 (+/-) 2	65 (+/-) 2	65 (+/-) 2	65 (+/-) 2	65 (+/-) 2	65 (+/-) 2	65 (+/-) 2