# TATA TEXTILE MILLS LIMITED

**QC/4/061**
**ISSUE 01**

USTERIZED®

## SPECIFICATION OF GREY YARN- LABORATORY RESULTS

| Nominal Count (Ne) | 26/1 COM KNIT COMPACT | 40/1 COM WVG COMPACT | 50/1 COM WVG COMPACT | 58/1 COM WVG COMPACT | 60/1 COM WVG COMPACT | 70/1 COM WVG COMPACT | 80/1 COM WVG COMPACT |
|---|---|---|---|---|---|---|---|
| Blend | SUPIMA | SUPIMA | SUPIMA | SUPIMA | SUPIMA | SUPIMA | SUPIMA |
| Brand | TATA | TATA | TATA | TATA | TATA | TATA | TATA |
| Twist Per Inch (TPI) | 15.31 | 21.31 | 25.15 | 25.8 | 26.79 | 18.86 | 33.09 |
| Twist Multiplier (T.M.) | 3.02 | 3.37 | 3.40 | 3.37 | 3.46 | 3.71 | 3.69 |
| Actual Count (Ne) | 25.80 | 40.60 | 50.60 | 58.60 | 60.60 | 70.60 | 80.60 |
| Count CV% | 1.10 | 1.15 | 1.2 | 1.2 | 1.2 | 1.25 | 1.25 |
| Lea Strength (lbs) | 180 | 110 | 85 | 70 | 67 | 54 | 47 |
| C.L.S.P. | 4644 | 4466 | 4301 | 4102 | 4060 | 3812 | 3788 |
| **USTER EVENNESS TESTER ( UT-5) RESULTS** | | | | | | | |
| Um (%) | 7.25 | 8.85 | 9.7 | 10.3 | 10.35 | 11.00 | 11.25 |
| Thin (-50%) / km | 0 | 0.0 | 1.0 | 4.0 | 4.0 | 12.0 | 16.0 |
| Thick (+50%) / km | 2.0 | 6.0 | 13.0 | 18.0 | 20.0 | 40.0 | 54.0 |
| Neps (+200%) / km | 4.0 | 25.0 | 42.0 | 55.0 | 65.0 | 100.0 | 110.0 |
| Total IPI | 6.0 | 31.0 | 56.0 | 77.0 | 89.0 | 152.0 | 180.0 |
| Hairiness (H) | 4.7 | 3.68 | 3.25 | 2.90 | 2.88 | 2.75 | 2.50 |
| **USTER TENSOJET 4 RESULTS** | | | | | | | |
| B.Force ( gF ) | 664 | 467 | 368 | 312 | 302 | 259 | 227 |
| Elongation (%) | 4.7 | 4.35 | 4.25 | 3.8 | 3.8 | 3.8 | 3.79 |
| RKM | 29.0 | 32.1 | 31.5 | 31.0 | 31.0 | 31.0 | 31.0 |
| **TEST CONDITIONS** | | | | | | | |
| Temperature (C) | 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 |