

Ne 30 SLUB YARN Conventional / ProSPIN Test Result [Guntur/INDIA]

| TEST NO | Spinning Type | Machine Type | #Mc NO | NE | α_e | TPI | TPM | U% | CVm | THIN PLACES (-30%) | THIN PLACES (-40%) | THIN PLACES (-50%) | THICK PLACES (35%) | THICK PLACES (50%) | NEPS (140%) | NEPS (200%) | NEPS (280%) | Total IPI | HAIRNESS | RKM | CSP | |
|---------------------------------|---------------|--------------|--------|----|------------|-------|-----|-------|---------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|-------------|-------------|-----------|----------|---------|-------|-------|
| 1 | Conventional | LMW | 7 | 30 | 4,48 | 24,52 | 966 | 25,76 | 42,83 | 11980,00 | 3659 | 330 | 3085 | 2992 | 4067 | 2359 | 1169 | 29641 | 5,65 | 15,07 | 2261 | |
| 2 | ProSPIN | LMW | 7 | 30 | 4,48 | 24,52 | 966 | 22,98 | 36,24 | 9767 | 2683 | 251 | 3200 | 2953 | 4003 | 1761 | 563 | 25181 | 4,12 | 16,55 | 2482 | |
| Diff.% (Conventional / ProSPIN) | | | | | | | | | -10,79% | -15,39% | -18,47% | -26,67% | -23,94% | 3,73% | -1,30% | -1,57% | -25,35% | -51,84% | -15,05% | -27,08% | 9,82% | 9,77% |

USTER® TESTER 5 - S400 R 5.7 Sat 20.10.18 16:52 Operator K RANI Page 1
 MILLS CHEBROLU GUNTUR
 TU UT5-1 Catalog U1 Temp 29.2 °C Rel.H 45.4 %
 Style COPS Sample ID 03417 Nom. count Nec 30.5 Nom. twist 24.51 T/inch
 Tests 8 / 1 v= 400 m/min t= 1 min Meas. slot 4 Short staple

STANDARD REPORT

Article 30S KW SLUB Material class Yarn Mach. Nr. R/F-07
 Uster Statistics
 Fiber Cotton 4.4Micr 32mm 100%
 COPS REPORT (BEFORE)

Total tests : 8 / 8 Single test(s)

| Nr | U% | CVm | CVm | CVm | DR | Inde | Thin | Thin | Thin | Thick | Thick | Neps | Neps | Neps | H | sh | Rel. Cnt % |
|------|-------|-------|------|-------|--------|------|----------|----------|----------|----------|----------|-----------|-----------|----------|------|------|------------|
| | % | % | 1m % | 10m % | 1.5m % | | -30% /km | -40% /km | -50% /km | +35% /km | +50% /km | +140% /km | +200% /km | +280 /km | | | |
| 1 | 24.50 | 40.48 | 7.70 | 4.67 | 42.3 | 3.83 | 11383 | 3115 | 237.5 | 3113 | 2995 | 4253 | 2345 | 1058 | 5.45 | 1.99 | 3.3 |
| 2 | 26.01 | 43.58 | 7.77 | 5.15 | 44.0 | 4.12 | 11430 | 3278 | 300.0 | 3093 | 2988 | 4078 | 2325 | 1078 | 5.54 | 2.00 | -2.1 |
| 3 | 25.71 | 42.73 | 8.45 | 5.03 | 47.0 | 4.04 | 12480 | 4385 | 455.0 | 3070 | 2970 | 4043 | 2353 | 1183 | 5.83 | 2.20 | 0.2 |
| 4 | 26.45 | 43.50 | 8.26 | 5.75 | 46.7 | 4.11 | 12518 | 4193 | 440.0 | 3110 | 3005 | 4158 | 2433 | 1280 | 5.53 | 2.05 | -1.2 |
| 5 | 25.30 | 41.70 | 7.62 | 4.81 | 41.7 | 3.94 | 11798 | 3458 | 240.0 | 3118 | 3008 | 4033 | 2308 | 1125 | 5.82 | 2.22 | 2.1 |
| 6 | 26.44 | 44.75 | 6.77 | 4.15 | 33.2 | 4.23 | 12185 | 3690 | 360.0 | 3038 | 2975 | 4115 | 2538 | 1348 | 5.65 | 2.11 | -3.0 |
| 7 | 25.63 | 42.78 | 7.47 | 4.73 | 40.2 | 4.05 | 11628 | 3463 | 277.5 | 3085 | 2995 | 3928 | 2270 | 1118 | 5.61 | 2.04 | 0.7 |
| 8 | 26.06 | 43.15 | 7.35 | 3.97 | 40.4 | 4.08 | 12420 | 3693 | 330.0 | 3055 | 2998 | 3933 | 2303 | 1165 | 5.75 | 2.09 | -0.0 |
| Mean | 25.76 | 42.83 | 7.68 | 4.78 | 42.0 | 4.05 | 11980 | 3659 | 330 | 3085 | 2992 | 4067 | 2359 | 1169 | 5.65 | 2.09 | 0.0 |
| CV | 2.5 | 3.0 | 6.8 | 11.8 | 10.4 | 3.0 | 4.0 | 11.9 | 25.3 | 0.9 | 0.4 | 2.7 | 3.7 | 8.5 | 2.5 | 4.0 | 2.1 |
| s | 0.65 | 1.29 | 0.52 | 0.56 | 4.4 | 0.12 | 477 | 437 | 83.6 | 29 | 13 | 110 | 87 | 100 | 0.14 | 0.08 | 2.1 |
| Max | 26.45 | 44.75 | 8.45 | 5.75 | 47.0 | 4.23 | 12520 | 4385 | 455 | 3118 | 3008 | 4253 | 2538 | 1348 | 5.83 | 2.22 | 3.3 |
| Min | 24.50 | 40.48 | 6.77 | 3.97 | 33.2 | 3.83 | 11380 | 3115 | 237 | 3038 | 2970 | 3928 | 2270 | 1058 | 5.45 | 1.99 | -3.0 |
| Q95 | 0.54 | 1.08 | 0.44 | 0.47 | 3.7 | 0.10 | 399 | 365 | 69.9 | 24 | 11 | 92 | 72 | 83 | 0.12 | 0.07 | 1.7 |
| USP™ | | | | | | | | | | | | | | | | | |

CHEBROLU

 20/10/2018
 14:20

Wrapping Test Report

Lot : -
 Department : SPINNING Nominal Count-Nec : 30SKWSL Date : 20/10/2018
 Machine : SPG-07 Nominal Strength : 75 Shift : 1
 Operator : [REDACTED] Sample Length : 120 Time : 02:14:04 PM
 R.H : 65 Twist : 0 U % : 0
 Label Count : 0

Details : R/F NO = 7 R.H.S BEFORE COPS

| Sample No. | Count | Strength | CSP | | | | | |
|------------|--------|----------|------|-------|--------|--------|--------|-------|
| 1 | 30.00 | 82.9 | 2487 | | | | | |
| 2 | 31.73 | 68.9 | 2186 | | | | | |
| 3 | 30.48 | 73.8 | 2249 | | | | | |
| 4 | 30.58 | 72.3 | 2211 | | | | | |
| 5 | 29.88 | 77.6 | 2318 | | | | | |
| 6 | 29.97 | 73.8 | 2212 | | | | | |
| 7 | 30.71 | 72.1 | 2214 | | | | | |
| 8 | 30.45 | 72.3 | 2202 | | | | | |
| | Avg. | Std.Dev | CV % | Q95 | RHC. | Min. | Max. | Range |
| Cnt : | 30.475 | 0.596 | 1.96 | 0.41 | 30.475 | 29.876 | 31.734 | 1.858 |
| Str : | 74.2 | 4.264 | 5.75 | 2.95 | 74.2 | 68.9 | 82.9 | 14.0 |
| CSP : | 2261 | 100.477 | 4.44 | 69.63 | 2260 | 2186 | 2487 | 301 |

RKM (SITRA) : 15.07

USTER® TESTER 5 - S400 R 5.7 Sat 20.10.18 17.05 Operator K.RANI Page 1
 MILLS CHEBROLU GUNTUR

TU UT5-1 Catalog U1 Temp 29.9 °C Ref.H 47.1 %
 Style COPS Sample ID 03418 Nom. count Nec 30.5 Nom. twist 24.51 T/inch
 Tests 8 / 1 v= 400 m/min t= 1 min Meas. slot 4 Short staple

STANDARD REPORT

Article 30S KW SLUB Material class Yarn Mach. Nr. R/F-07
 Uster Statistics
 Fiber Cotton 4.4Micr 32mm 100%
 COPS REPORT (AFTER)

Total tests : 8 / 8 Single test(s)

| Nr | U% % | CVm % | CVm 1m % | CVm 10m % | DR 1.5m % | Inde | Thin -30% /km | Thin -40% /km | Thin -50% /km | Thick +35% /km | Thick +50% /km | Neps +140% /km | Neps +200% /km | Neps +280 /km | H | sh | Ref. Cnt % |
|------|---------|----------|----------------|-----------------|-----------------|------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|---------------------|------|------|------------------|
| 1 | 22.68 | 36.14 | 8.04 | 5.49 | 51.1 | 3.42 | 10303 | 2930 | 307.5 | 3208 | 2930 | 4160 | 1900 | 645.0 | 4.13 | 1.78 | 1.1 |
| 2 | 23.23 | 36.03 | 7.69 | 5.07 | 53.2 | 3.41 | 9370 | 2465 | 225.0 | 3245 | 2968 | 3860 | 1583 | 460.0 | 4.07 | 1.65 | -1.9 |
| 3 | 22.62 | 36.08 | 7.24 | 4.47 | 41.9 | 3.41 | 9850 | 2743 | 235.0 | 3185 | 2945 | 3995 | 1810 | 680.0 | 4.15 | 1.77 | 0.8 |
| 4 | 23.68 | 37.38 | 7.83 | 5.03 | 46.6 | 3.53 | 10343 | 3098 | 277.5 | 3223 | 2950 | 4243 | 1895 | 567.5 | 4.07 | 1.73 | -2.3 |
| 5 | 22.37 | 34.28 | 8.61 | 6.08 | 55.4 | 3.24 | 8795 | 2275 | 162.5 | 3218 | 2948 | 3568 | 1485 | 420.0 | 4.21 | 1.70 | 3.1 |
| 6 | 23.36 | 37.63 | 6.27 | 3.77 | 35.3 | 3.56 | 9593 | 2583 | 232.5 | 3133 | 2935 | 3860 | 1815 | 607.5 | 4.07 | 1.64 | -2.9 |
| 7 | 22.85 | 36.15 | 7.60 | 5.08 | 48.5 | 3.42 | 10030 | 2773 | 335.0 | 3190 | 2980 | 4113 | 1770 | 590.0 | 4.07 | 1.69 | 1.4 |
| 8 | 23.03 | 36.22 | 7.73 | 5.10 | 48.9 | 3.43 | 9850 | 2618 | 235.0 | 3203 | 2973 | 4230 | 1830 | 540.0 | 4.18 | 1.73 | 0.7 |
| Mean | 22.98 | 36.24 | 7.63 | 5.01 | 47.6 | 3.43 | 9767 | 2683 | 251. | 3200 | 2953 | 4003 | 1761 | 563 | 4.12 | 1.71 | 0.0 |
| CV | 1.9 | 2.8 | 8.9 | 13.6 | 13.6 | 2.8 | 5.2 | 9.7 | 21.4 | 1.0 | 0.6 | 5.8 | 8.5 | 15.7 | 1.4 | 3.1 | 2.1 |
| s | 0.43 | 1.01 | 0.68 | 0.68 | 6.5 | 0.10 | 512 | 261 | 53.9 | 33 | 18 | 232 | 149 | 88.4 | 0.06 | 0.05 | 2.1 |
| Max | 23.68 | 37.63 | 8.61 | 6.08 | 55.4 | 3.56 | 10340 | 3098 | 335. | 3245 | 2980 | 4243 | 1900 | 680. | 4.21 | 1.78 | 3.1 |
| Min | 22.37 | 34.28 | 6.27 | 3.77 | 35.3 | 3.24 | 8795 | 2275 | 162. | 3133 | 2930 | 3568 | 1485 | 420. | 4.07 | 1.64 | -2.9 |
| Q95 | 0.36 | 0.84 | 0.57 | 0.57 | 5.4 | 0.08 | 428 | 216 | 45.0 | 28 | 15 | 194 | 125 | 73.9 | 0.05 | 0.04 | 1.8 |
| USP™ | | | | | | | | | | | | | | | | | |

CHEBROLU SPINNING MILLS PLTD

PROSPIN

20/10/2018
16:25

Wrapping Test Report

Lot : -
 Department : SPINNING
 Machine : SPG-07
 Operator :
 R.H : 65
 Label Count : 0
 Details : AFTER

Nominal Count-Nec : 30SKWSL Date : 20/10/2018
 Nominal Strength : 75 Shift : 1
 Sample Length : 120 Time : 04:21:42 PM
 Twist : 0 U % : 0

| Sample No. | Count | Strength | CSP | | | | | |
|---------------|--------|----------|------|-------|--------|--------|--------|-------|
| 1 | 30.65 | 81.2 | 2489 | | | | | |
| 2 | 31.49 | 80.4 | 2532 | | | | | |
| 3 | 30.34 | 81.1 | 2460 | | | | | |
| 4 | 31.47 | 79.2 | 2493 | | | | | |
| 5 | 30.31 | 83.6 | 2534 | | | | | |
| 6 | 33.16 | 71.5 | 2371 | | | | | |
| 7 | 31.15 | 79.6 | 2480 | | | | | |
| 8 | 31.20 | 79.1 | 2468 | | | | | |
| | Avg. | Std.Dev | CV % | Q95 | RHC. | Min. | Max. | Range |
| Cnt : | 31.222 | 0.914 | 2.93 | 0.63 | 31.222 | 30.309 | 33.163 | 2.854 |
| Str : | 79.5 | 3.532 | 4.44 | 2.45 | 79.5 | 71.5 | 83.6 | 12.1 |
| CSP : | 2482 | 50.925 | 2.05 | 35.29 | 2478 | 2371 | 2534 | 163 |
| RKM (SFTRA) : | | 16.55 | | | | | | |