

MECHANICAL TESTING AT MANTRA,SURAT

| Sr.No. | Nature of Test |
|---------------|--|
| Yarn | |
| 1 | Denier or Count of Yarn |
| 2 | No. of filament of Yarn |
| 3 | Twist (T.P.M / T.P.I) of Yarn |
| 4 | Maximum Breaking Load of Yarn |
| 5 | % Elongation at Break Yarn |
| 6 | Tenacity (g/d) (with Denier, B/S & Elon.) of Yarn |
| 7 | Appearance (Dull/Semi-Dull/Bright)of yarn |
| 8 | Type of process(Crimp/Flat/text/Intermingle) of Yarn |
| 9 | % Yarn Shrinkage (Cold or Hot) water |
| 10 | Hot Crimp Contraction (H.C.C)(%) |
| 11 | Count strength product (C.S.P) with count |
| 12 | Lea Strength Test |
| 13 | Yarn Evenness test on Uster |
| 14 | Yarn Quality Assessment of Cotton Yarn |
| 15 | Diameter of Monofilament Yarn |
| 16 | Thickness of Material |
| 17 | Width of Material (Jari) |
| 18 | Cross Section with Photo Print |
| 19 | Yarn/Jari/Rubber(%) on the total weight of sample |
| 20 | Calculated Length of yarn in Bobbin |
| Fabric | |
| 21 | No. of thread per inch (Reed & Pick) |
| 22 | Weight per Square meter of Fabric |
| 23 | Weight per Linear meter of fabric |
| 24 | Width/Length of the fabric |
| 25 | Total No. of ends (Ground + Border) |
| 26 | Maximum Breaking Load of Fabric |
| 27 | % Elongation at Break of Fabric |
| 28 | Tearing Strength of Fabric |
| 29 | Weave analysis |
| 30 | Bursting Strength of Fabric |
| 31 | Abrasion test of fabric |
| 32 | Crease recovery test |
| 33 | Seam Slippage of Fabric |
| 34 | Pilling test of fabric |
| 35 | Air permeability test of fabric |
| 36 | Technical Services for defective fabric |
| 37 | Certificate (expert opinion) |