

WORSTED FABRIC VARIOUS

This document list out the essential plant and machinery requirement of worsted fabric various. This documents also list out the essential test equipment requirement of worsted fabric various.

Essential Plant & Machinery Requirement for Spinning:-

1. Worsted Combing Machine from Wool Top Stage (Re-combing)
2. Set of Gill Boxes (Min 05 nos.)
3. Speed Frame/Roving frame
4. Ring Spinning Machine (Worsted Yarn)
5. Cone Winding machine with splicing arrangement for Electronically Cleared Yarn (Like Autoconer or equivalent)
6. Parallel Winding Machine (If applicable)
7. TFO (If applicable)
8. Steam Chamber/Autoclave

Essential Plant and Machinery Requirement for Weaving:-

1. High Speed Warping machine.
2. Shuttle less looms

Note:-

1. In addition to above Controlled Atmosphere of Production shop in Spinning & Weaving for humidity & temperatures is an essential requirement.

Essential Plant and Machinery Requirement for Processing:-

A. Fibre Dyeing

1. High temperature High Pressure Top Dyeing Plant (HTHP)
2. Hydro Extractor
3. Radio Frequency Drier (RF Dryer)

B. Finishing

1. Milling process (for Serge Battle Dress)
2. Scouring Machine
3. Drying Machine or Hydro extractor
4. Singeing Machine
5. Raising machine (If applicable)
6. Stenter
7. Chemical treatment (Water Repellent finish) (If applicable as per specification requirement)
8. Decatizing Machine
9. Rotary Press
10. Final Perching with roll making machine

Note:-

1. Firm must possess valid pollution consent/clearance certificate from respective State Pollution Control Board.
2. If the firm does not possess any of the essential Plant & Machinery in Spinning, Weaving & Processing, then it should not be recommended for registration.

Essential Test Equipments:-

1. Pick Glass/Counter for ends/picks measurement.
2. Weighing Balance.
3. Tensile Strength testing machine.
4. Template for Shrinkage test
5. Projection Microscope
6. Twist Tester.
7. Measuring scale/Measuring tape
8. pH Meter.
9. Bundesman Water repellency tester (for water repellent treated fabrics)

10. Scouring loss test apparatus (Soxhlet apparatus, oven and glassware)
11. Blend Composition test apparatus (Chemical Balance, Oven and Glassware)
12. Crockmeter.
13. Perspirometer.
14. Laundrometer
15. Spectrophotometer (wherever applicable) for LCH and Delta values.
16. Light fastness Tester.

Note:-

1. Outsourcing arrangement with NABL accredited lab is allowed only for the test parameters such as Colour fastness to Light/ Bundesman Water repellency test/ Spectrophotometer. In this regard, registering firm shall submit a letter issued from NABL accredited lab to the firm that they are undertaking testing of samples received from the firm and the test parameter is within their scope of accreditation. If the firm does not possess any of the essential test equipments as per requirement of specification except the parameters for which outsourcing from NABL accredited lab has been permitted, then it should not be recommended for registration.
2. Controlled Atmosphere of Laboratory for humidity & temperatures is an essential requirement.
3. The above list of test equipment is illustrative in nature which may or may not be relevant for certain type of fabric. Therefore at the time of registration process, the requirement of test equipment in accordance with test parameters in the specification and the test equipment shall have required range to test the required parameters, to be checked from the firm's submitted documents.
4. Firms to give the declaration for supplying the materials with the same legal tie up firm (Wherever legal tie-up has been permitted) having validity of legal tie up for minimum 03 years.
5. At the time of supply of material by the firm having secured a contract, firm should forward the necessary documents like e-way bill, commercial invoice issued by legal tie up firm along with the firm's own invoice so as to authenticate/verify the receipt of material from the same legal tie up firm.
6. Vendor shall also give an undertaking in the prescribed format regarding complete understanding of specification requirement and other requirement as mentioned in the item.
7. In case of falsification of documents and other instances, firm will be De-registered for the period of 03 years for entire range of products for any category.
8. CV norms are generic in nature and are to be used as criteria for consideration of any firm registered for any item of a particular category. Therefore, if a firm is registered for any item, it will be considered as registered for all the similar items (as notified) falling under that CV norms category.