

VARIOUS TYPES OF SYNTHETIC TAPES AND WEBBINGS

This document list out the essential plant and machinery requirement of various types of synthetic tapes & webbings. This document also list out the essential test equipment requirement of various types of synthetic tapes & webbings.

Essential Plant & Machinery and Testing Equipment Requirement for manufacturing of Various Types of Synthetic Tapes & Webbings:

a. Weaving

1. Winding Machine
2. Doubling Machine (Optional)
3. Twisting Machine *
4. Warping Machine
5. Needle Loom/Narrow Loom

Note: * Twisting M/C is mandatory wherever in the specification twisted yarn is specified.

b. Finishing

1. Calendaring/Heat Setting Machine
2. Dyeing Machine *
3. Heat Set & Resin Treatment facility Machine #
4. Rolling Machine

Note: * For dyed Tapes & dyed Webbings Dyeing facility is mandatory.

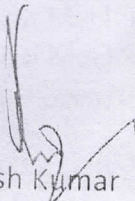
Specific cases, wherever in the specification heat set/simultaneous heat set & resin treatment is specified, a special designed simultaneous heat set & resin treatment Machine as per Specn no. ADRDE/SPECN/83(a) is mandatory.

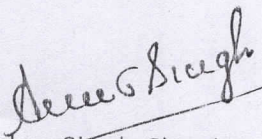
c. Testing Equipment


1. Steel scale
2. Pick glass
3. Twist tester
4. Weighing Balance
5. Thickness gauge

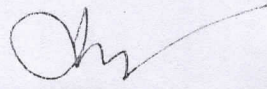
6. Melting point apparatus *
7. Tensile testing M/C
8. pH meter *
9. Hot air oven *
10. Soxhlet apparatus *
11. Laundrometer (For dyed varieties) *
12. Light fastness tester (For dyed varieties) *
13. Testing facility for Identification of Fibre

Note: * If the firm does not have in house test facility, firm shall submit under taking letter that firm will get tested and submit test report from Reputed/Govt. Approved/NABL Accredited lab.


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