

VARIOUS TYPES OF SYNTHETIC CORDAGES

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

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

a. Weaving

1. Winding Machine
2. Twisting Machine *
3. Braiding Machine #

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

No. of spindles should be equal or more than as specified in the specification of the cordages applied for registration.

b. Finishing

1. Calendaring/Heat Setting Machine (For braided tapes like, Tape Tubular Nylon Braided 1.5 cm 800 Kgf U/D, Tape Tubular Nylon Braided 20 mm BS 5680N U/D, Tape Tubular Nylon Braided 18 mm BS 700 Kg U/D, Tape Tubular Nylon Braided 1.1 cm 450 Kg U/D & Sheath Nylon Braided 30 mm U/D etc.)
2. Dyeing Machine *
3. Rolling Machine/Hank winding machine
4. Heat Set & Resin Treatment facility Machine #

Note: * For dyed Cordages 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.

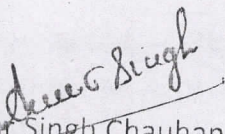
c. Testing Equipment

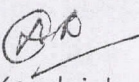
1. Steel scale
2. Pick glass

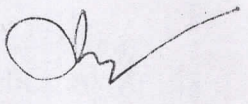
3. Twist tester
4. Weighing Balance
5. Thickness gauge
6. Melting point apparatus *
7. Tensile testing M/C
8. pH meter *
9. Hot air oven *
10. Soxhlet apparatus *
11. Laundrometer (For dyed varieties) *
12. Light fastness tester (For dyed varieties) *
13. Testing facility for Identification of Fibre


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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