

Tarpaulin



About Tarpaulin:

Tarpaulins have proven to be a popular source of inexpensive water resistant fabric. The manufacturing process is similar to that of HDPE woven sacks, but unlike the sacks where it is necessary to own the extrusion lines, here one can buy the woven fabric and do further processing (lamination, sealing and stitching). The major industries that drive demand of tarpaulins are; construction, transport, and outdoor advertisement, with transport industry having the highest share of demand at 40%.

Types of Tarpaulin:

1. **HDPE/PE/PP woven tarpaulin:** are made from polymer resins by extruding yarns out if it and weaving those yarns into a fabric, followed by lamination to make it water resistant.
2. **Fire retardant tarpaulins:**These are same as any polymer based tarpaulin, except for one additional raw material; Polybrominated Diphenyl Ethers/ PBDEs, which helps the tarps avoid combustion. FR Tarpaulins, when exposed to fire, start melting instead of catching fire, while other tarpaulins do catch fire.
3. **Cotton fabric/Canvas tarpaulins:**in canvas tarps instead of polymers, *canvas* or polyester is used coated with urethane making it water resistant.

Tarpaulin uses:

- As make-shift shelters such as tents, shamiyanas, etc.
- Cover for transport system; trucks, ships, trains, etc.
- During the construction process to protect brickwork and masonry from weather damage and safety nets.
- For protecting cricket pitches and other sporting in-fields
- Tarpaulins are also used for advertisement printing, promotional canopies. Perforated tarpaulins are typically used for advertising.
- For sails of sailboats, (With the proper type of adhesive tapes, it is possible to make a sail for a small boat with no sewing)
- Agriculture: Such as agro shade nets, fish pond liners, vermin compost beds, low cost cowdung based biogas plants, poultry curtains, etc.

Budget¹:

The turn-key plant and machinery of capacity 6 tons/day would cost around Rs. 3 Crores. However, a tarpaulin can also be made from woven-fabrics or canvas in which case the manufacturer buys the fabric from other supplier and process it further (Lamination, Sealing, eye-latching, etc.) into a tarpaulin can be started in around Rs. 1 Crores.

Report coverage

1. Market analysis – (info on Potential user industries, market size, growth factors, etc.)
2. Competitive landscape (Info (Products, pricing, clientele, etc.)on current market players in the target location)
3. Location analysis (with a view to source raw material and to reach market)
4. Raw material sourcing from various locations,suppliers, Quotes fromsuppliers
5. Approvals and Regulatory requirements
6. Machinery required / Quotes and technical specifications from suppliers and recommendations from industry experts
7. Advice on initial viable scale of business
8. Capital requirements, profitability, break-even analysis
9. Profitability projections for the coming years

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¹ Source; FineTrain's primary research