



Ref.No. /2024-25

Date:

Membrane Support (Non-Woven Polyester Support Sheet)

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A non-woven polyester support sheet is a key component in many filtration systems and membranes. It provides a strong, yet breathable base for a thin film membrane layer.

Material:

- Made from polyester fibers thermally bonded together.
- This creates a sheet-like structure without weaving threads.

Function:

- Provides structural support for the delicate membrane layer.
- The membrane layer is often responsible for the filtering process.
- The support sheet keeps the membrane from tearing or collapsing under pressure.
- It also helps distribute the flow of liquid or gas evenly across the membrane.

80 GSM



100 GSM



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Properties:

- **High Strength:** The non-woven construction offers good tear and puncture resistance.
- **Chemical Resistance:** Polyester is resistant to many chemicals, making it suitable for various filtration applications.
- **Permeability:** The porous structure allows liquids or gases to pass through to the membrane layer.
- **Dimensional Stability:** Maintains its shape well under pressure and temperature variations.

Applications:

- **Water Filtration:** Support for membranes used in reverse osmosis, microfiltration, and ultrafiltration systems.
- **Air Filtration:** Found in HEPA filters and other air purification systems.





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- **Industrial Processes:** Used in various industrial filtration applications for separating liquids, gases, and solids.

Overall, non-woven polyester support sheets are a versatile and essential component for various membrane filtration systems. Their combination of strength, permeability, and chemical resistance makes them ideal for supporting thin film membranes in a wide range of applications.

**For,
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