



Fiberweb (India) Limited

CIN : L25209DD1985PLC004694

Manufacturers of PP Meltblown Nonwoven Fabrics & Products



FIBERWEB (INDIA) LTD

MELT BLOWN MACHINE (J&M ,ACCUWEB), ITALIAN TECHNOLOGY)

Site Location:

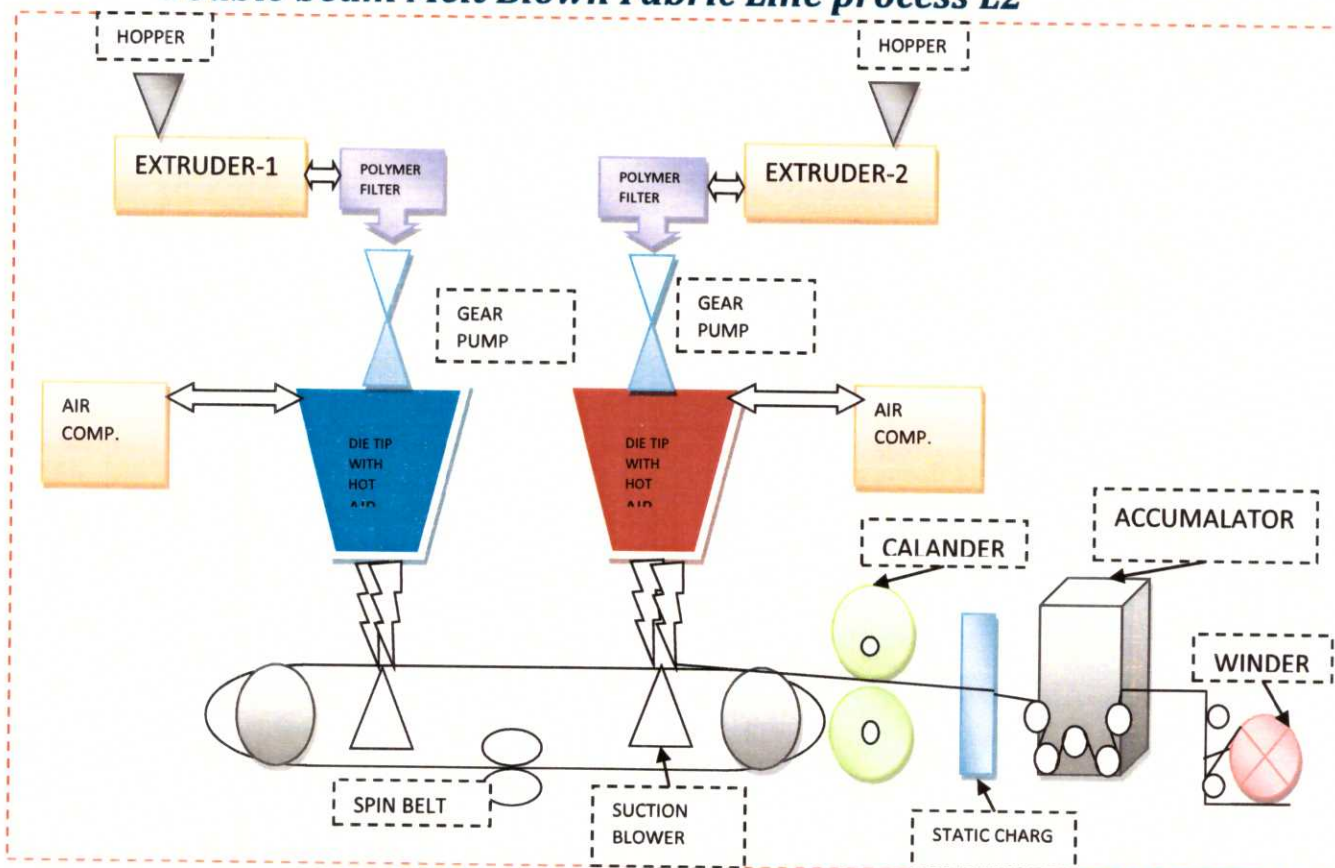
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(INDIA)

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.Description:

Components for: 2.2 Meters Wide, nominal speed up to 70 m/min, 2 Beam, Melt Blown process Technology, up to 400 kg/hr nominal throughput rate capacity.

Double beam Melt Blown Fabric Line process L2



The meltblown process:

The meltblown process “directly transforms polymer resins to a nonwoven fabric in a single, integrated process.” The process was originally developed by the Naval Research Laboratories and commercialized by Exxon Chemical.

The final meltblown fabric properties are determined by the polymer resin, conditions in the extruder, ambient air conditions, the bonding method and the finishing treatment, among other process parameters.

The output of the meltblown process is a microfiber with diameters ranging from as little as 0.1 micron to as large as 15 microns.

The melt blown process produces a fine fiber, small pore size, nonwoven web directly from polymer chips. The web is formed entirely of a given polymer without the need of added binders, finishes or thermal bonding of the fibers. A variety of additives can be put in with the polymer to affect the end properties of the web: similar to any other extrusion based process. The web can undergo further processing such as calendering to produce finer pore sizes.

Fiberweb (India) has a Two beam Melt Blown Fabric Production line. The maximum width that can be produced is 2.2 meters. The nominal line speed is up to 70 m/min, which can give up to 400 kg/hr throughput.

A Brief overview is given below to understand the Meltblown process in easy way:

Medical fabrics:

The largest segments of the medical market for meltblown nonwoven fabrics are disposable gowns, drapes and sterilization wraps.



Surgical Gown

Meltblown Nonwoven Fabrics: Why Meltblown Applications Will Increase

Meltblown nonwoven fabrics are still in the early growth stage. They are already becoming more and more popular in the medical and filter industries due to the meltblown ability to produce microfibers.

There are many applications where Meltblown are using presently and research is going on for many more application.

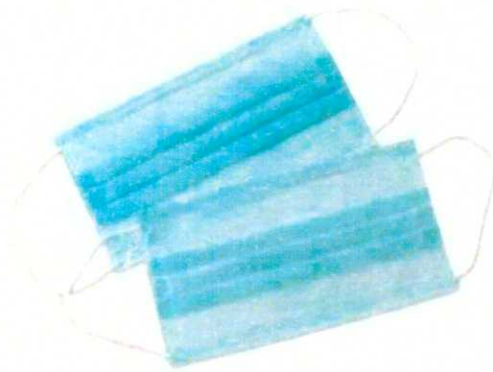
What are the primary applications to consider for meltblown products?

Filtration:

Meltblown applications include surgical face masks, liquid filtration, gas filtration, cartridge filters, clean room filters and more.



Cartridge filter



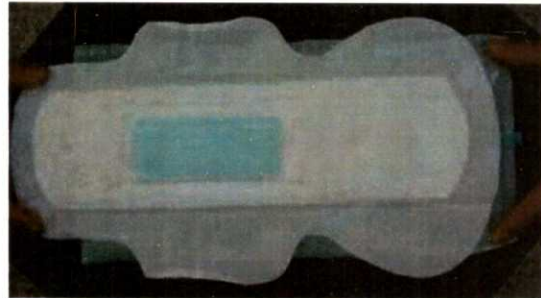
Surgical Face Mask

Sanitary products:

Meltblown fabrics are used frequently in feminine sanitary napkins, diaper top sheets and disposable adult incontinence products.



Baby Diapers

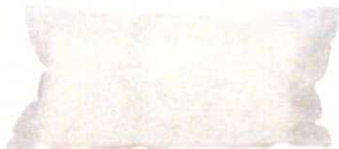


Sanitary Napkin

Absorbents: This is the single largest market currently for meltblown fabrics.

(A) Pillows:

Used to absorb large amounts of fluids where a pad just not enough. Also good to use in tight, hard-to reach areas. Use oil-only pillow on both land and water, in coolant tanks and sumps wells.



Oil absorbing Pillow

(B) Spill Kits :

Different varieties of Meltblown fabrics can be used from 20 Gallons Spill kit to 95 Gallons Spill kit.

The Meltblown fabric can also be used in Acid Spill Kit.



Spill Kit

(C) Floor Drying:

Meltblown fabric can be used as floor dry media. A 20 lb bag of fabric will absorb more than a double lb i.e. 40 lb bag of clay. The Meltblown fabric can be used in all-purpose absorbent to absorb most liquids.



Floor drying products

(D) Bonded Meltblown Pads & Rolls (SM):

Our bonded SM sorbent are constructed with 2 plies of Polypropylene i.e. Spunbond/Meltblown. These pads and rolls are universally used to absorb oil, water and water-based chemicals.

Our pads can be also be made available as per required customised printed design.

These pads and rolls are the best of both worlds - the lint-free top sheet side can be used to clean and wipe tanks, tools, walls, etc., and you can use the meltblown side for quick absorbent of fluids.



UNIVERSAL ABSORBENT MELT BLOWN PADS AND ROLLS

(E) Track Mat:

This product can be used to prevent ground contamination during railroad maintenance.

This product is combination of Heavy-duty Spunbond top layer that adds strength and durability for long-term deployment in almost any weather conditions. Middle layer is of high absorbent Meltblown fabric, and bottom layer is high micron laminated coverstock which works as a barrier against any kind of oil to reach to the ground.



Track Mat



Fiberweb (India) Limited

Manufacturers of Polypropylene Meltblown Nonwoven Fabrics & Products

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