

NONWOVEN

Advanced equipment leading
technology outstanding quality



INDIA'S NO 1



Company Profile

Vishal Synthetics is one of the most reliable producers of Modern Non Woven Fabrics and consumable products. It has created a niche by constantly innovating its product range to cater the requirement of new age industrial needs be it Agriculture, Medical, Water Purification, material handling and packaging.

It has earned a respectable name among its domestic and International buyer through its Brand Promise of *100% Quality else 100% Returns**.



History

Vishal Synthetics is a brain Child of Mr. Mahesh Patel who has guided the company from its inception in 1989 to grow it to a well known entity in the Non Woven Fabric Industry. As a part of "COT Group" it has crossed US\$ 5 Million Mark and is still growing. Mr. Mahesh Patel who is also the founder and Chairman of the company started the company with a vision to make a mark in an industry which was very nascent in the late 80s. Armed with a degree in Textile Engineering from India's premier Institute and a rich managerial experience of 23 years he started this company which is now based in the Industrial City of Kadi, state of Gujarat in India.

Infrastructure

Vishal Synthetics manufacturing and business operation is spread in the 2200 Sq Meters area which houses imported machines, R&D lab, Corporate Office and a warehouse. It has a capacity of producing 2000 MT/year of Non-Woven Fabric and its application products. We are constantly supplying to ASEAN countries apart from other European and African countries. With a support of 50 passionate professional team members we live up to the values and dream of *Make in India and Serving the World.*

Vision:

- ▶ 1.We aim to become India's most admirable organization in Industrial Goods.
- ▶ 2.We aim to become most reliable supplier in plastic application industry.
- ▶ 3.We aim to become India's largest manufacturer and Exporter of Nonwoven Fabric and allied products.

Mission:

- ▶ We aim to multiply our satisfied clients' base by 4 times by the end of FY 2020.

Values:

- ▶ 1.We are socially and environmentally responsible organization.
- ▶ 2.We serve our customers equally regardless of the size or their value of business with us.
- ▶ 3.We employ any human resource without discrimination.
- ▶ 4. We give more importance to the value of relationships than the value of Business.
- ▶ 5.We believe in Reuse, Reduce and Recycle and encourage our partners and buyers the same.

Brand Promise:

100% QUALITY ELSE 100% RETURNS. (T&C APPLIED)

Quality

Vishal Synthetics quality policy is to pursue a programs of continuous improvement aimed at meeting our customer's needs and expectations 'right first time' At Vishal Synthetics we committed ourselves to supply our customers good quality products which meets their needs and are problem free.

With state of the art production equipment, computerized process control, a well-equipped laboratory, IT systems and skilled staff we ensure the manufacturing of our products at a consistent high level.

Fabric properties are checked at every stage of the process and the results are filed which enables us to trace problems.

We ensure the manufacturing of our products at a regular quality level with state of art technology testing equipment. We perform following tests in our laboratory.

- ▶ Tensile Strength
- ▶ Thickness
- ▶ Weight

Testing Capabilities



NONWOVEN

Advanced equipment
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India's
Largest Manufacturer of
Industrial and Consumables
Non Woven Fabric

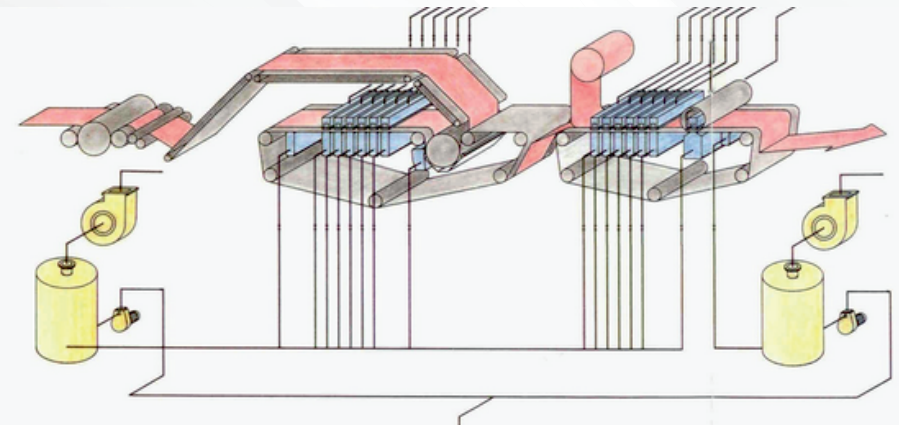
 **Vishal Synthetics**
"New Standards for Quality"

Production Process

Non Woven Fabrics are broadly defined as sheet or web structures bonded together by entangling fibre or filaments mechanically, thermally or chemically. PP Spun bonded Non woven Fabrics are produced using a precise extrusion-based technology. The polymer is stretched into a continuous filament and loosely spread onto a conveyor belt to form the web.

Machine Technical Capabilities

Production Technology	Spun bond
Bonding Type	Thermally calendar bonding
Engraving	Point bonded
Line Widths	1600 mm (63")
Slitting Range	20 - 1600 mm (1 - 63 inch)
Weight Range	15 - 150 gram/m2
Max. Outer Roll Diameter	800 mm (31 inch) for 1600 mm (63 inch)
Core Diameter	3" (76 mm)
Raw Material	Polypropylene





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OUR PRODUCTS

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1

Spun Bond Non Woven Fabrics

- ▶ Colourful Non Woven Fabrics
- ▶ Printed Non Woven Fabrics



2

Laminated Non Woven Fabric

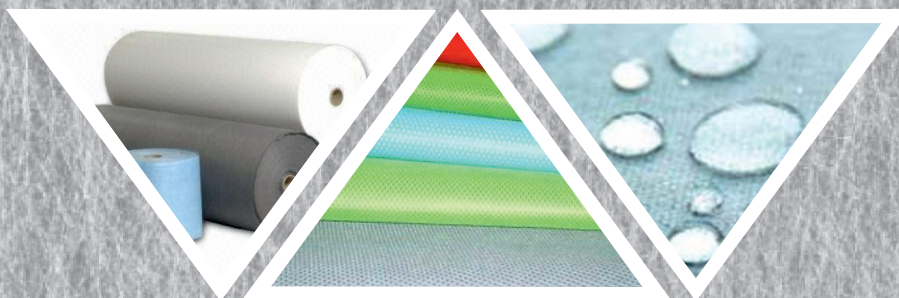
- ▶ PP Laminated Non Woven fabric
- ▶ Gold Film laminated non woven fabric
- ▶ Metallised Non woven fabric
- ▶ Aluminium foil laminated Non woven Fabric
- ▶ BOPP Laminated nonwoven fabric



3

Specially Treated Non Woven Fabrics

- ▶ UV Resistive Non Woven Fabrics
- ▶ Hydrophilic Non Woven Fabric
- ▶ Hydrophobic grades
- ▶ Scented Non woven fabrics
- ▶ Flame retardant Non Woven Fabric
- ▶ Optical Brightened Non Woven Fabrics



4

Non Woven Bags

- ▶ Non Woven Carry (U-cut or T-shirt or Vest)bags
- ▶ Non Woven Carry (d-cut) bags
- ▶ Non Woven Tote Bags
- ▶ Fold away Non Woven Bags
- ▶ Non Woven Stitched Shopping bags
- ▶ Promotional gift bags
- ▶ Non Woven Rice bags
- ▶ Non Woven Seeds bags
- ▶ Non Woven wine bags / Bottle bags / café bags
- ▶ Non Woven Drawstring bag
- ▶ Non Woven Shoes bag
- ▶ Non Woven Laminated Bags
- ▶ Non Woven Metallised Bags



5

Non Woven Home furnishing Products

- ▶ Embroidery Backing Non Woven Fabric
- ▶ Interlining and lining Non Woven Fabric
- ▶ Non Woven Pillow cover
- ▶ Non Woven Bed Sheet
- ▶ Non Woven Table Cloth / Cover

6 Non Woven Agricultural Products

- ▶ Non Woven Weed Control Fabric
- ▶ Non Woven Crop cover
- ▶ Non Woven Fruit Protection Cover
- ▶ Non Woven Plant cover
- ▶ Non Woven Fleece Cover
- ▶ Root Control Non Woven Bag
- ▶ Non Woven UV treated Ground cover



7

Non Woven Medical Disposables

- ▶ Non Woven Surgical Facemask
- ▶ Non Woven Surgical caps
- ▶ Disposable Bouffant Cap
- ▶ Non Woven Surgical gown
- ▶ Non Woven Isolation gown



8

Non Woven Hygiene & Sanitary Products

- ▶ Non Woven Sanitary Napkins
- ▶ Non Woven Waxing Strips



9

Non Woven Garment Applications

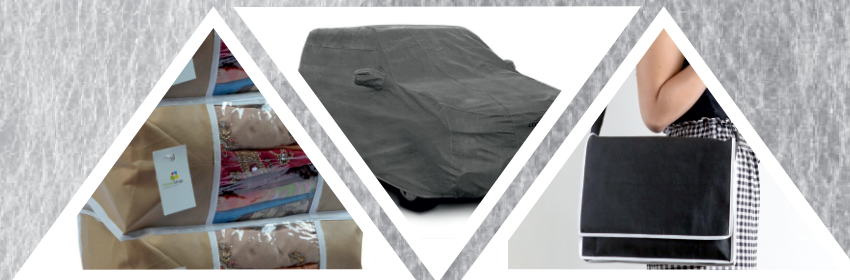
- ▶ Non Woven Men's Suit Cover
- ▶ Saree/ Salwar/ Dress cover



10

Airline Applications

- ▶ Head rest cover
- ▶ Disposable Pillow cover



11

Non woven Packaging Cover

- ▶ Shoes Cover
- ▶ Non woven Luggage Cover
- ▶ Non Woven Catering Plate Cover
- ▶ Non Woven Computer Cover
- ▶ Non Woven Cotton Bales Cover

APPLICATION

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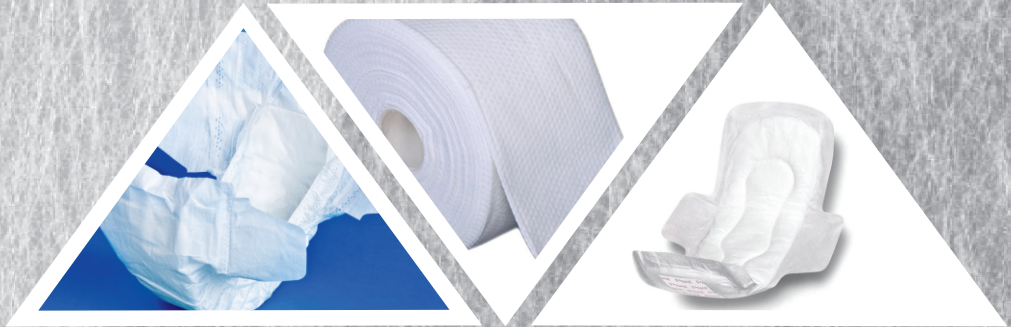


Health Hygiene Care

Hygiene market is the largest consumer of disposable nonwovens and is expected to grow to reach above \$2.9 Million Ton by 2020. The main growth contributors are

- ▶ 1. Baby Diapers
- ▶ 2. Toddler Pants
- ▶ 3. Adult Diapers
- ▶ 4. Feminine Hygiene

We are already supplying the widely used fabric of 40-120 GSM to some of India's well known Healthcare Brands.

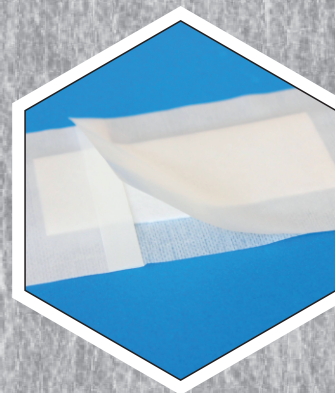




Medical, Spa & Salon:

Medical, Spa and Salon's are now widely using the Non Woven Fabric by replacing the traditional Fabric in operation Theaters, Disposable Clothes, Disposable intermediaries and Dresses. The projected sales in this category are \$2.5 Billion by 2020. The main product Sub Categories are:

- ▶ 1.Drapes & Gowns
- ▶ 2.Sterile packaging
- ▶ 3.Other Medical and Salon Apparels
- ▶ 4.Incontinence Products
- ▶ 5.Wound Care
- ▶ 6.Medical Wipes





Agriculture

Some of the characteristics of Non Woven that Vishal Synthetics focuses on while producing Agriculture based products include:

- ▶ ·Heat control and sealability
- ▶ ·Hydrophilic and hydrophobic capacity
- ▶ ·Moisture absorption, very well customizable
- ▶ ·Good in UV Light Filtration (useful for greenhouses and other ways)
- ▶ ·Can control weed growth with less or no Chemical use
- ▶ ·Helping to Control Ground Heat, very well customizable
- ▶ ·Helping to avoid damage to fruit and root by managing air permeability properly
- ▶ ·Recyclable
- ▶ ·Helping to enhance the effects of fertilizers; preventing loss thereof
- ▶ ·Helping to save the seeds from over watering
- ▶ ·Helping to manage pest problems and, thus, reducing crop losses
- ▶ ·Helping to keep the soil moist and loose



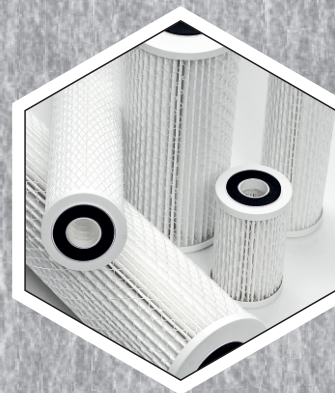


Filtration and Construction

Construction and Filtration is still largely a razor blade market with lots of single use Fabric, but there's an emerging trend toward reusable and extended life fabric for media filters, as well as enclosed systems with reusable or in-situ cleanable media to change the paradigm.

There are approximately 20 major market segments where we are concentrating using many types of single and combination of our fabric. Some key segments are

- ▶ •Aerospace,
- ▶ • Transportation — automotive, trucking and off-the-road vehicle filters
- ▶ • Chemical Processing,
- ▶ • Food and Beverage,
- ▶ • Laboratory
- ▶ •Medical
- ▶ •Pharmaceutical,
- ▶ • Semiconductor
- ▶ •Polymer Filtration,
- ▶ •Oil and Gas,
- ▶ •Power Generation



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Home furnishing

Nonwoven Fabrics have opened doors of opportunity for everyday convenience that would have been the stuff of dreams for many. One of the outstanding qualities of nonwovens is that they can be extremely durable, if that's what's needed, or single-use, limited-life fabrics. Beyond this, nonwovens possess limitlessly versatile qualities like super absorbency, resilience, liquid repellency, stretchability, strength, softness, flame retardancy, cushioning, washability, bacterial barriers, filtering and sterility.

Able to combine these qualities in innumerable ways, nonwoven Home Furnishing manufacturers create products with the unique, specific characteristics requested or needed by a client, usually at a very reasonable price.



- ▶ ·Abrasives & sheets for scouring
- ▶ ·Apparel linings
- ▶ ·Blinds/curtains
- ▶ ·Cheese wraps
- ▶ ·Coffee filters
- ▶ ·Cosmetic removers & applicators
- ▶ ·Covering & separation material
- ▶ ·Detergent pouches/Fabric softener sheets
- ▶ ·Envelopes
- ▶ ·Filters
- ▶ ·Flooring
- ▶ ·Garment bags
- ▶ ·Household cleaning wipes
- ▶ ·House wraps

- ▶ ·Laundry bags
- ▶ ·Mops
- ▶ ·Personal wipes
- ▶ ·Reusable Bags
- ▶ ·Roofing under coverings & products
- ▶ ·Table linen
- ▶ ·Tags
- ▶ ·Tea and coffee bags
- ▶ ·Upholstery
- ▶ ·Vacuum cleaning bags
- ▶ ·Wallcoverings
- ▶ ·Wipes (household care, floor care, cleaning, pet care etc)





Shopping Bags and Packaging

Almost everyone has bought meat that is shrink-wrapped on a tray with a small white absorbent pad under the meat. That small pad is made with nonwoven fabric. Those reusable bags you bring with you to the grocery store (not the canvas ones) are Nonwoven fabric. Nonwovens offer many advantages like strength, durability and lightness to protect the materials you want to pack.

Reusable bags have become extremely popular with consumers as part of the earth-friendly movement. And most of these bags are made from nonwovens. They are lightweight, sturdy and cut down on the number of plastic bags being used. Vishal Synthetics produce readymade bags as well as Fabrics that goes to manufacturer of various Customized Bag. Few are being listed here:

- ▶ •Beverage packing
- ▶ •Breathable bags
- ▶ •Canisters
- ▶ •Confectionary packaging
- ▶ •Envelopes/file folders
- ▶ •Flow wraps
- ▶ •Flower wrap
- ▶ •Food pads
- ▶ •Fruit liners

- ▶ •Hazmat transport aids
- ▶ •Individual packets
- ▶ •Industrial bags
- ▶ •Insulator materials
- ▶ •Meat packaging trays
- ▶ •Medical sterile packaging
- ▶ •Separator sheets
- ▶ •Tubs
- ▶ •Vegetable packaging trays



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