Nonwoven fabric is a fabric-like material made from long fibres, bonded together by chemical, mechanical, heat or solvent treatment. The term is used in the textile manufacturing industry to denote fabrics, such as felt, which are neither woven nor knitted. Nonwoven materials typically lack strength unless densified or reinforced by a backing. In recent years, nonwovens have become an alternative to polyurethane foam & Woven Fabrics.

Applications
Nonwoven fabrics are broadly defined as sheet or web structures bonded together by entangling fibre or filaments (and by perforating films) mechanically, thermally or chemically. They are flat, porous sheets that are made directly from separate fibres or from molten plastic or plastic film. They are not made by weaving or knitting and do not require converting the fibres to yarn. Typically, a certain percentage of recycled fabrics and oil-based materials are used in nonwoven fabrics. The percentage of recycled fabrics vary based upon the strength of material needed for the specific use. Conversely, some nonwoven fabrics can be recycled after use, given the proper treatment and facilities. For this reason, some consider nonwovens a more ecological fabric for certain applications, especially in fields and industries where disposable or single use products are important, such as hospitals, schools, nursing homes and luxury accommodations.

Nonwoven fabrics are engineered fabrics that may be a limited life, single-use fabric or a very durable fabric. Nonwoven fabrics provide specific functions such as absorbency, liquid repellence, resilience, stretch, softness, strength, flame retardancy, washability, cushioning, filtering, use as a bacterial barrier and sterility. These properties are often combined to create fabrics suited for specific jobs, while achieving a good balance between product use-life and cost. They can mimic the appearance, texture and strength of a woven fabric and can be as bulky as the thickest paddings. In combination with other materials they provide a spectrum of products with diverse properties, and are used alone or as components of apparel, home furnishings, health care, engineering, industrial and consumer goods.

Non-woven materials are used in numerous applications, including:

**Hygiene**
- baby diapers or nappies
- feminine hygiene
- adult incontinence products
- wet wipes
- bandages and wound dressings
- disposable bath and face towels
- disposable slippers and footwear

**Medical**

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• Isolation gowns  
• Surgical gowns  
• Surgical drapes and covers  
• Surgical scrub suits  
• Caps  
• Medical packaging: porosity allows gas sterilization

**Filters**
• Gasoline, oil and air - including HEPA filtration  
• Water, coffee, tea bags  
• Pharmaceutical industry  
• Mineral processing  
• Liquid cartridge and bag filters  
• Vacuum bags  
• Allergen membranes or laminates with non woven layers

**Geotextiles**
• Soil stabilizers and roadway underlayment  
• Foundation stabilizers  
• Erosion control  
• canals construction  
• Drainage systems  
• Geomembrane protection  
• Frost protection  
• Agriculture mulch  
• Pond and canal water barriers  
• Sand infiltration barrier for drainage tile  
• Landfill liners

**Other**
• Carpet backing, primary and secondary  
• Composites  
• marine sail laminates  
• table cover laminates  
• Chopped strand mat  
• Backing/stabilizer for machine emboidery  
• Packaging where porosity is needed  
• Insulation (fiberglass batting)  
• Pillows, cushions, and upholstery padding  
• Batting in quilts or comforters  
• Consumer and medical face masks  
• Mailing envelopes  
• Tarps, tenting and transportation (lumber, steel) wrapping  
• Disposable clothing (foot coverings, coveralls)  
• Weather resistant house wrap

**Our Non Woven Base Products Range as below...**

**Poly Coated Non Woven Fabrics**

Wide range of Poly Coated Non Woven Fabrics are manufactured by us including variety in pattern, designs and colors. Our products target capturing the market with their magnificent quality and texture.
Non woven Fabric For Apparel And Accessory
Non woven Fabrics For Personal Care And Hygiene
Non woven Fabrics For Construction, Furniture And Bedding

Paper Laminated Non Woven Fabrics

- high strength
- great absorption power
- non-toxic

Non Woven Fabrics + PE + Paper

Characteristics:
- made from continuous filament, with good tensile strength and elongation;
- anti-chemical, anti-static, waterproof, breathable, antibacterial;
- non-toxic, non-irritating, not mildew, and isolate the bacteria in the presence of liquid and the erosion of insects;
- flame retardant

Application:
- Agriculture fields: UV treated products used in agriculture;
- Household fields: tablecloth, furniture, disposable cloth;
- Hygiene fields: surgical gowns, protective coverall, working garment, disposable hats, shoe cover etc.;
- Sanitary fields: baby diaper, adult diaper, underpad etc. ;
- Shopping bags: many bright colors available.

Specification:
- Composition laminated nonwoven fabric/PP+PE
- Range of GSM - 40-250gsm
- Range of width - 10-125cm
- Roll length - subject to clients' requirements
- Color - various color available
- Packing wrapped in poly bag

Metalized film / Aluminium Foil Laminated Non Woven Fabrics / Reflective coated non-woven fabric insulation Barriers

Structure: Non Woven Fabric + PE + Metalized PET (Aluminum Foil). Or Both Side Metalized (Al foil) Also Available
Width of the roll: 100mm ~1250mm
Core: 3 inch.
Length: According to the customers' demand.
Colour: silver, white, black, deep blue, light blue, orange.

Feature:
It is light in weight, excellent tear-resistance & good puncture resistance & excellent water vapour resistance and higher tensile strength. It is easy to handle during construction. anti-aging, peel strength, and printable

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Insulation Usage:
It is used widely to make car cap to Reflective Sunshine & in Roof, floor, wall, pack food for heat retaining, medical & sanitary, industry & agriculture, construction & daily-used products such as the agricultural plant covers, roof waterproof material, disposable items for medical and industrial applications, liners for furniture, packing material, shopping bags, suit and garment cover, industrial protective coveralls, garment accessory materials, bed articles, medical and sanitary articles as well as family and hotel consume articles, especially for heat insulation, thermal insulation and construction and other fields.

Other Packaging Usage:
Metalized film for metallic yarn, glitter powder, sequin, spangle printing and lamination, coated colours metallised polyester film is for the metallic yarn, glitter powder, sequin, flexible packaging, waterproof material, decorative material, foodstuff packaging, barrier material, Low heat shrinkage, well tensile strength, aluminium coating is well-proportioned has very high lusted degree, light reflectivity reach 98%, suitable for yarn, cling packaging, cosmetic packaging and tobacco and liquor packaging.

BOPP Laminated Non Woven Fabrics

BOPP Laminated Fabric ensures their strength and provides them with the ability to carry heavy weight. BOPP Laminated Fabric is utilized for packing purposes. These fabrics are offered in various colors, lengths, width and thickness, depending upon the diverse specifications of the customers.

We M/S, Patidar Corporation are the Convertor of BOPP Laminated Non woven Bag Fabrics & lining fabric used for packing of fertilizers, flour packing Bags, maize, Gram Flour, Food Grains, animal feeds, poultry feeds etc. Luggage Bag, Travel Bag, Shoe Bag, Tea Bag, Handbag & Tote bag fabric and Lining Fabric.

Our products have been used widely in the field of:
- Medical & Sanitary
- Fertilizers & Agriculture industries
- Cements & Construction
- Daily-used Products
- Agricultural Plant Covers,
- Water Proof Material
- Disposable items for medical and industrial applications
- Liners for furniture, packing material, shopping bags
- Suit and Garment cover,
- Industrial Protective Coveralls
- Garment Accessory Materials,
- Bed Articles,
- Medical and Sanitary articles
- Hotel Consume articles.
- Aesthetic qualities

We offer our clients with a wide assortment of laminated pp woven fabrics that are more. Leveraging on our advanced manufacturing facilities, we are able to offer Lamination Shopping Bag that is in compliance with the international standards of quality...

1) Other Specialty Coated/ laminated products
M/S, Patidar Corporation has consistently introduced innovative packaging solutions to satisfy the most demanding and quality conscious customers. This Mega Conversion capacity is for the converter community. Being converter's converter we are flexible enough to laminate our customers, own paper/ other substrate on contract manufacturing. We have 3 years experience in job working and a repute to respect the value of the customer’s material.

For finding new product solutions our product development & marketing team is working closely with our customers. Continuous quality control is used to monitor and measure the properties of the products. For direct contact with foodstuff, dry foods & greasy foods, we have US FDA approval for all of the major requirements & recommendation for materials that come into contact with food.

We specialize in the entire production process from extrusion/ printing/ slitting & sheeting and we can quickly develop, produce and supply new customized packaging requirement.

Quality and consistency are the cornerstones of our product lines. We work continuously with our raw material vendors to keep up-to-date with resin technology and advancements. Our close vendor relationships enable us to bring these new advancements to market for you.

Few of the specialties Extrusions coated/ laminated products are as following...

- Laminates for Insulation
- Polycoated Base paper for Various Application
- Multilayer Laminates for Automotive Industry
- Aluminum & Met-Polyester Laminates for Tea Industry

Laminates for Insulation

We offer versatile range of Laminates for Insulation material products for thermal Insulation & Building construction Industry.

Our products under this category show excellent barrier properties, gas tightness, fire retardancy, dimensional stability, thermo-reflection, breathability, sound insulation and the low emission properties characteristics of aluminum. Insertion of glass fiber scrim makes the facing material complete to give dimensional stability & added strength.

These facing materials are suitable for mineral wool, rockwool, polyurethane and other light insulation materials. The primary purpose of thermal insulation materials, such as mineral wool, polyurethane is to save energy. Their insulation properties and energy efficiency can be considerably enhanced with facing materials. Special combination of material improves the breathability and mechanical strength of the material, in addition to reducing the fire load.

In Construction sector, we provide high quality, cost efficient and innovative solutions of insulation materials for walls, floors and ceiling. Our material is suitable for warehouse, factory, supermarket, gym and office etc. Double side aluminum foil facing material is more effective in light reflection, mostly suitable for roof and wall insulation of house, warehouse, cold storage and factories.
The composition of facing material mostly constitutes aluminum foil, fiber glass Scrim, kraft paper and polyethylene. We can also use Metalized polyester to make the facing laminate cost effective.

**Polycoated Base paper for Various Application**

We offer Polycoated Bleached, Unbleached Kraft paper & other various grades of paper (Maplitho, MG Poster etc.) for various coating applications such as Silicone Coating, VCI Anticorrosion Coating & any other water/ solvent based custom coating.

The Base paper used for polycoating could be of Gsm ranging from 30gsm up to 450 gsm. LDPE coating on paper could be from 10 gsm up to 80 gsm with gloss or Matte finish surface. We offer widest polycoated substrate width for various coatings (Up to 1250mm).

We are flexible enough to convert customer’s own paper on Contract Manufacturing Basis. In more than 3 years of coating, laminating, and printing experience, Patidar has accumulated enough technical and processing capabilities to support the converter community in the form of above base laminates for supplier. Make use of our high end machines & customer oriented services for your manufacturing.

**Multilayer Laminates for Automotive Industry**

In automotive industry Patidar offers Extrusion coated material for headliners, hoodliners, carpet and other acoustical part which enhance mechanical properties such as dimensional stiffness and cost competitive alternatives to traditional lamination method.

A hoodliner is low profile acoustic absorber for mechanical noise and vibration, generated by engine components. It is designed for application of high heat areas, such as an engine compartment. Safepack combination of non-woven extrusion laminate withstands the high engine compartment temperatures & provides dimensional stiffness to hoodliners.

A headliner is an interior trim part, covering the metal roof structure. It is used to hold the sun visors, handless and interior light modules during vehicle assembly. Patidar offers a verity of sandwich structures which provides the necessary stiffness to the thermoformed headliner and minimizes nail up clips.

**Aluminum & Met-Polyester Laminates for Tea Industry**

Patidar offers a combination of multiple substrates for tea packaging to provide the ultimate barrier for your high value products. The advantages offered in this product line are, the capability to combine several substrates in-line to develop cost effective lamination with customized physical, optical and sealing properties that meet specific product and package format requirement.

We laminate different grades of paper (Unbleached as well as Bleached) with aluminum foil or metalized polyester film (Met PET) for bulk or pouch form packaging of tea & other confectionary products. The aluminum foil or metalized polyester is also laminated with consumer board for lidding material for precut lids.

These multifunctional laminates provide moisture & oxygen barrier apart from aroma resistance & strength. The four ply laminates using bleached kraft/ white MG poster as base paper also offers smooth runnability along with excellent sealability & easy pouch tear. We can do printing up to 8 color to offer one stop solution for direct use. Our strict adherence to specifications, combined with statistical process control, ensure that you receive the highest quality material.
The product list in other specialty coated/Laminated products goes on increasing since our journey in supply of high value packaging material to our customers is endless.

To name few more products, the list continues as,

- Polycoted Non-Woven substrate
- Eco tarpaulins/liners.
- Scrim reinforcement case liners.
- Laminate for cable sheathing
- Other specialty Wrappers
- Customized Wrappers

Your custom products….

We know the importance of being a consistent supplier. The value we provide to you is our dedicated people, manufacturing excellence and customization. Our comprehensive analytical laboratory, designed for both physical and chemical composition testing, gives us the edge with in-house testing and analysis. Patidar bases its Corporate Philosophy on providing high levels of Quality, Service and Technical Innovation.

We M/S. Patidar Corporation are a market-focused, process-centered organization that develops and delivers innovative solutions to our customers, and provides a dynamic and challenging environment for our employees.

We M/S. Patidar Corporation welcome clients from at home and abroad and we sincerely await your emails and calls to establish business negotiations with our company. M/S. Patidar Corporation strives for attentive and sincere management and quality products and superior service for all our partners.

With best regards,

Waiting Your Prompt Reply........ with require products Specification for our kind reff..

Thanking You

Regard'S From

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