

PP Spunbond Non Woven Fabric

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The Overview of PP Spun Bond Non Woven Fabric

PP Spun bond non woven fabrics are mainly used for outer and inner materials of surgical and medical face masks. Because of its softness, environmental protection and practicability, it is often used to make surgical masks, medical clothing, medical caps, round caps, and various protective face masks, household face masks. It is

also used in other medical and health industry and back fabric of other non-woven fabrics.

The non woven face masks are used to prevent the spread of influenza in spring and seasonal pollen allergies. It brings great convenience to family life and increases people's comfort in life.

The Specification of PP Spun Bond Non Woven Fabric

Weight: 11g/sm-150g/sm	Width: 1.6m,1.8m,2.4m,3.2m	Machine Type: SS and SSS
Colors: All Colors Available	Length: By Request	Packing: Wrap Film
Material: 100%Virgin PP	Width Tolerance: ± 3 mm	Weight Tolerance: ± 0.5 g/sm
Split Joint Times: ≤ 1	Polymer Clump: ≤ 2 PCS/50m ²	Embossing: Diamond Type
Loading Port: Shanghai China	20GP/40HQ Q'ty:4 Tons/10.5Tons	Brand Name: SENCI
Certificate:SGS,MSDS,RoHS	MOQ: White 1 Ton, Color: 2 Tons	Supply Ability: 1000 T/Month

Product Features

Fuyang Sensi trading company insists on purchasing raw material only from one polypropylene factory and we only use 100% virgin polypropylene, this makes sure the polypropylene's melt index is stable and invariant, the quality of non-woven fabric produced by stable melt index polypropylene is also stable.

Our factory imported the hyperfine spinneret from Japan and uses advanced fiber drawing technology, these make the extruded pp fiber is super slim. The nonwoven fabrics made by such kind of microfiber is thinner and smoother, the tensile strength of both machine direction and cross-machine direction are all better than any other factory, especially the tensile strength of machine direction can reach 1.1 to 1.5 times of gram weight.

The surface of our fabric looks fine and closely to woven, the hand feeling is more soft and comfortable.

Besides, we produce a color master batch by ourselves. So our colored fabric is bright-colored and stable and no color difference between old and new orders.

After the non woven fabric production is completed, we use the transparent wrap film packing the rolls, it avoids dust and hair, mosquitoes entering the non-woven roll. This also meets the requirements of sanitary products.

Besides non-woven pp spunbond, we also supply meltblown BFE 99 meltblown, N95, N99 meltblown and KF80, KF94, KF99 meltblown, nose strip, ear loop and active carbon non woven fabric.

Product Application

Medical, Personal Care & Hygiene: Diaper, sanitary napkins, medical caps, shoe cover, surgical gown, Isolation Gown, operating coat, disinfecting bag, disposable health cloth, etc. Surgical face masks, surgical dressing, medical face masks, bed

sheet, table cover, operation gown, laboring garments.

Our factory has a standard dust-free workshop with ultraviolet insecticidal facilities.

It ensures that these non-woven fabrics which used for medical disposables products are clean and non-polluted, we never add calcium carbonate or recycled pp clips into pp raw material when producing nonwoven. So our non-woven hand feeling is soft, tensile strength is far beyond the requirements of industry standards.

Apparel & Accessories: Coveralls, pillow cases, Airlines Headrests(Flame Retardant) garment interlining. Clothing, all kinds of the synthetic leather base cloth, etc.

We can produce flame retardant non woven, which are widely used in airline seat head rests covers or decoration materials for aircraft interior, with the characteristics of clean, hygiene and fire retardant , the flame time of dripping material less than 8 seconds and burning material length less than 8 inches, can pass FAR25.853 test standard.

Agriculture: Crop Covers, Weed Control Fabrics, Nursery Over Wintering, Roots Bags, crop protection fabrics, nonwovens for seeds breeding.

Anti-aging non-woven fabrics can be produced by adding advanced UV-stable raw materials into the polypropylene. This kind of non-woven is widely used in weed control in agriculture, seeds breeding, crop protection. The UV-stable non woven can be degraded in nature, it is environment-friendly and no residue.

Construction, Furniture & Bedding packaging: Roofing and Tile Underlayment, Sofa and Mattress Lining, Pipe Wrap, food packaging.

When produce non woven used for furniture packing, Our factory will use grainy

formal polypropylene material instead of powder type polypropylene. The nonwoven fabric produced in this way has excellent pull strength, lint-free, wear-resistant, strong, this kind of nonwoven are widely used for furniture packing. The leather outside of the furniture is well protected and can be used for a long time and no odd smell.

Product Types

Our pp spunbond non-woven types are hydrophilic and UV stable, Flame retardant non woven fabric, anti-static nonwoven.

Hydrophilic	The weight after water absorb is three times that of gram weight.
UV stable	Can be anti aging half year to 1 year in the sunshine, mainly used in agriculture's weed control and crop protection.
Flame retardant	Can pass Europe aviation industry test standard FAR25.853.
Anti static	Anti static treatment mainly used in electronic products industry, e-products packing, mainly completed products are anti static gown, anti static table cloth.

Process Description

Spunbond is produced in a process where polypropylene granules are melted and molten polymer is extruded through spinnerets. The continuous filaments are

cooled and deposited on to a conveyor to form a uniform web. Calendering uses heat and high pressure applied through rollers to weld the fiber webs together at speed. This results in soft, uniform material with a textile feeling.



1. Infunde the grainy type polypropylene into the pond



2. Polypropylene is conveyed to the inside of the machine body and melt



3. The melt pp will be delivered to the spinning pump and spin, fine draw, the melt pp changes into superfine fiber.



4. The stretched superfine fiber is transferred to the web former. Forming the embryonic form of non woven pp spunbond fabric.



5. The non woven fiber web transferred to hot calender by net screen and will be high temperature pressed by hot calendar, rolling up, cut off the edges on both sides, eventually become a non woven roll.