

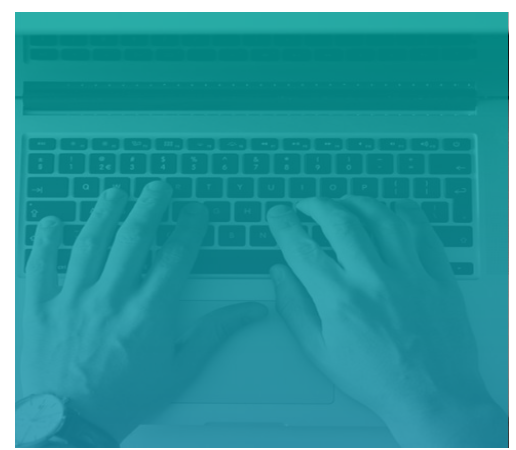


**Look around!**  
**SPUNBOND is in every step!**

*The address of the webpage, in order to get acquainted with information on the production of spunbond.*



[www.nonvowenbp.com](http://www.nonvowenbp.com)



*Are there any handouts on finished products (booklets, catalogues, etc.)*



The branch of production does not provide this type of dissemination of information. The most extended and detailed data can be obtained on the website, personal consultation with a company specialist.



*Is it possible to get samples of finished products*



At the familiarization stage, the manufacturer is ready to provide several samples of finished products (in the range of density, with some additives). At the stage of placing an order (signing a contract), the manufacturer is ready to provide one unit of finished products as a sample for the buyer to carry out the relevant tests (independent laboratories, use on their own equipment, etc.).



*Does the enterprise have advantages of technological processes over competitors in the local market*



The production process is absolutely identical with other manufacturers, the full cycle must comply with approved international standards.

As our advantages over competitors in the local market, we highlight the following:

1. High competence, qualification of employees.
2. Imported raw materials of high quality (only primary raw materials are used).
3. The calender roller in the production line has a specific diamond-shaped surface, which can increase the strength of the material due to uniform bonding.



***Is there a quality certificate for products with a description of technological processes***



Each batch of production is subject to certification by the main state standardization service "Turkmenstandartlary". The quality certificate contains information on the compliance of the goods with the technical regulations of the country, the production process (there is no description of technological processes).

The company is part of a group of companies, where each of its members has certificates: ISO 9001:2015, ISO 14001:2015, depending on the type of activity, some members of the group have additional certificates. Every year, companies successfully pass certification and accreditation in the relevant institutions.



***What is the capacity of finished products in a vehicle (according to standard dimensions)***



Since the production is focused on the needs of each customer (length, width, roll density), the calculation of the capacity of finished products in a vehicle is carried out individually by the company's specialists. However, referring to the analysis of the most used parameters of the finished product, the average loading on a standard vehicle with a carrying capacity of 20 tons (Euro truck) is 10-13 tons.



*What is the production capacity of the enterprise (number of products produced per month)*



Production capacities of the enterprise allow processing from 5 to 8 tons of raw materials per day (24 hours), this indicator depends on the required characteristics of the finished product (length, width, roll density). Taking into account all technological and production norms, regulations, the most optimal volume of production in the period of one calendar month is 150-170 tons of finished products.



***How does the packaging of the finished product look like (in rolls, how many meters or with what weight)***



Final stage of the production line is the packaging of finished products. Each spunbond roll is wrapped in a plastic package and fixed with thick cardboard bushings, by deepening them into the winding frame (bobbins), thereby creating tightness. The packaging of finished products in film looks neat, preserves the factory quality of the goods and emphasizes its advantages, thanks to the transparency of the packaging, spunbond is easier to sell in retail. Packaging is designed to protect products from moisture, dust, pollution and other external influences.



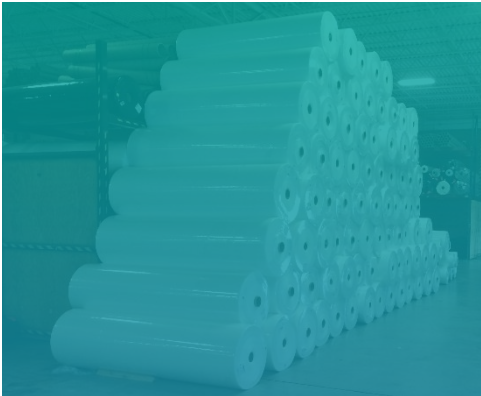
***Is there a marking from the manufacturer on the rolls, confirming the standard in the package, roll***



Each roll of finished products is subject to labeling. During the packaging process, a label is added to the canvas (a sheet of paper measuring 8 \* 5 cm), after which the roll is already sealed.

Label contains the following information:

1. Name of finished product;
2. Length;
3. Width;
4. Density;
5. Manufacturer (subject to agreement with the customer under the outsourcing agreement);
6. Contact details of the manufacturer (subject to agreement with the customer under the outsourcing agreement);
7. Consignor (as agreed with the customer, subject to additional discussion under the outsourcing agreement);
8. Consignee (as agreed with the customer, subject to additional discussion under the outsourcing agreement).



*Spunbond properties and types*



## The main characteristics of spunbond:

- environmental friendliness and non-toxicity (does not emit hazardous substances even under the influence of high temperatures);
- lightness;
- strength and durability;
- permeability (passes air and steam, does not create a greenhouse effect);
- low electrical conductivity (the material does not conduct electricity, does not accumulate static electricity);
- ability to retain heat;
- resistance to acids and alkalis;
- inertness with respect to chemicals (does not react with them);
- resistance to high and low temperatures and their differences;
- low degree of combustibility and flammability;
- easy to cut and process, the edge does not crumble.



***Areas of application of the finished products of the manufacturing plant***



Thermally bonded non-woven fabric has the widest application. These products are widely used in medical institutions, hairdressers, beauty salons, massage rooms and solariums. Also, spunbond has found application in the manufacture of furniture, leather goods, overalls, in the clothing industry, in agriculture (as a covering material to accelerate plant growth), in the construction industry (as an insulating material for wind, hydro, vapor barriers of walls, facades and roofs), agrotextile, geotextile.



1. Agriculture. Most often used as a covering material for greenhouses (spread directly on plants), as well as mulch (cover the ground).
2. Construction. Application in particular: windproofing of facade and roof systems; vapor barrier in roofing and wall structures; waterproofing membranes for building structures and elements; in the construction of roads (and in landscape design) - a cushioning layer for drainage.
3. Medicine. It is used in the production of disposable products: gowns, shoe covers, hats (hats), masks, sets for surgical operating rooms, etc.
4. Manufacture of overalls. Overalls for public catering organizations and beauty salons (disposable aprons, dressing gowns, trousers, etc.), are used as a cushioning material when sewing casual clothes, and as a lining material when making leather bags, wallets, purses and sports bags.
5. Manufacture of hygiene products. In the production of feminine and children's hygiene items (pads and diapers) it is used as the top layer.
6. Furniture production. They are used as a separator between the upholstery and the filler, as a cushioning material on top of the spring block, they also close the back walls and the bottom of the furniture.
7. Printing, advertising products. Use when tailoring various souvenir bags, covers, cases.
8. Production of filters. Spunbonded filters are used in the chemical and food industries, for environmental protection and product reuse. Most applicable: filters for liquids; dust collection (filters for vacuum cleaners); respiratory protection (disposable respirators, pleated masks and rubber half masks); trapping odors (filters for kitchen hoods); air conditioning and ventilation (bag and cassette filters, filter canvas, combined filter materials)
9. Means of packaging and storage systems. From the canvas sew packaging, organizers, storage cases.



## *Minimum production/per period*



Since many parameters of the finished product are individual and subject to discussion with the customer, and also, due to the fact that the production works on the principle of quick turnover of goods, according to the company's policy, there is no large volume of finished products in stock. All orders are placed in accordance with the procedure approved by management and are subject to accounting in the production schedule. Consequently, the minimum volume of production and finished products in warehouses are absolutely two different indicators. The minimum volume can be any within the order of each client, and in this case, it is necessary to clarify the shipment period.



## *Storage conditions for finished products.*



Since all finished products are hermetically sealed, the shelf life is not limited. Important storage conditions are a dry room, the absence of direct sunlight.



## *Maximum production/per period*



The production capacities of the enterprise allow processing from 5 to 8 tons per day (24 hours) raw materials, this indicator depends on the required characteristics of the finished product (length, width, roll density). Taking into account all technological and production norms, regulations, the most optimal volume of production in the period of one calendar month is 150-170 tons of finished products. After making calculations and approving the production schedule, the manufacturing plant is ready to provide the required volume of finished products within the specified period. The possibility of producing additional volume with partners in the local market under an internal outsourcing agreement is also being considered.



*How common is marriage*



Monitoring and control of production is carried out 24/7 through the management apparatus (the production line is maximally automated), as well as under the control and constant presence of highly qualified specialists. Given the above, as well as the fact that the manufacturing process of spunbond is regulated by international communities, the probability of marriage is less than 0.1% of the total production volume (the area of the finished fabric).



*Is it possible to return finished products? On what terms*



The return of finished products is possible if the delivered goods do not meet the parameters and characteristics indicated in the contract, the return conditions are negotiated individually with each customer and are subject to display in the sales contract.

