

GARAGUM
NONWOVEN

CATALOGUE

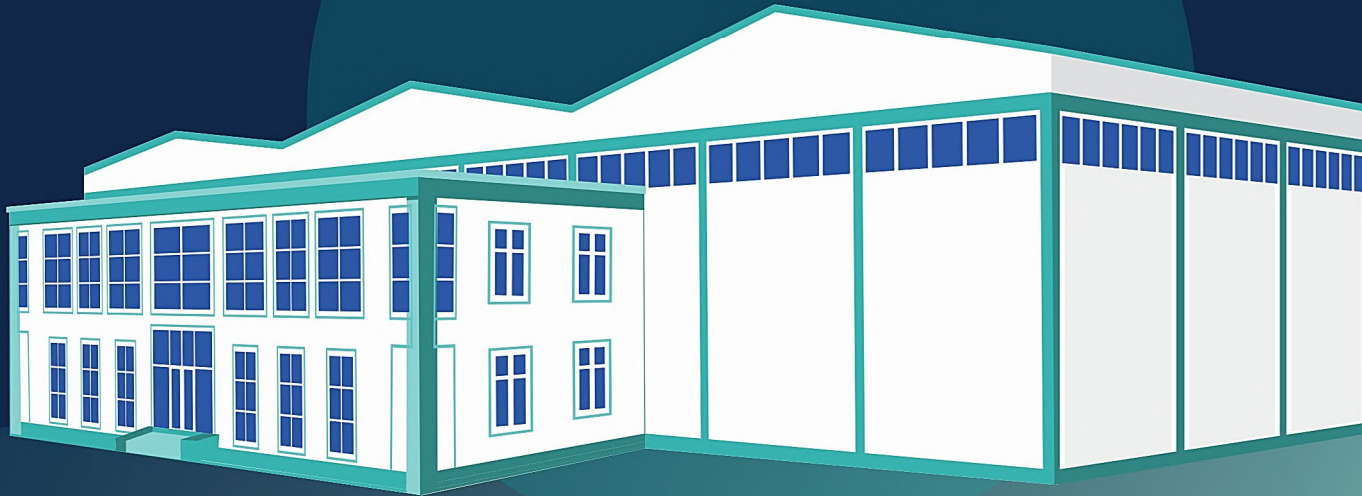
Spunbond • Meltblown • Spunmelt

NEXT LEVEL TECHNOLOGY
TURKMENISTAN

Clean and Soft

edana

About us



Founded in 1992, Garagum Economic Society has been a registered member of the Union of Industrialists and Entrepreneurs of Turkmenistan, operating in compliance with the country's regulations. Today, Garagum Nonwoven stands as an innovative branch of the society, specializing in the production of spunbond, meltblown, and spun-melt nonwoven fabrics.

As a leading manufacturer and exporter of nonwoven fabrics in Central Asia, Garagum Nonwoven boasts advanced technology, state-of-the-art equipment, and qualified personnel. Every product undergoes rigorous testing to ensure customer satisfaction. Our company is proud to be certified with ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018, which are internationally recognized standards for quality management, environmental management, and occupational health and safety management, respectively. Additionally, we are a member of EDANA, the leading global association serving the nonwovens and related industries.

In the future, we aim to expand our production capacity while maintaining strict quality control, further enhancing our market competitiveness.



Our mission

- Become one of the well-recognized nonwoven producer in the world
- Rank within the top three exporters in Turkmenistan.

Our vision

Import substitution: reduce imports, increase export advantages and competitiveness of domestic production.

Customer Service and Satisfaction: Realizing customer need and develop responsive feedback.

Long Term Partnerships: Establish long-term partnerships with our customers, suppliers and employees.

Innovation and Diversification: Develop nonwovens with different functionality based on new researches and apply it in the production.

Sustainability: Participate in environmental stewardship through efficient use of energy, reduction of waste and emissions and maintenance of the good health, safety and well-being of our employees.



Eco-friendly

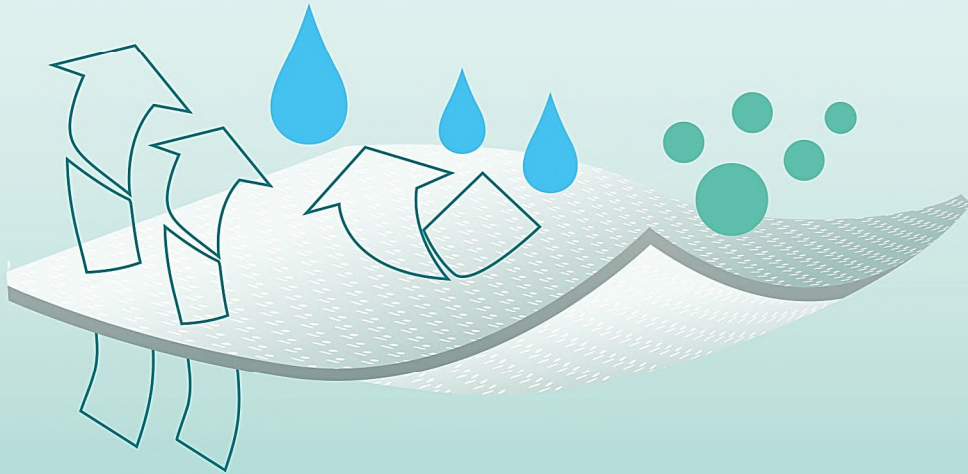


Recycle



Zero waste

Spunbond



Non woven

**ECO
FABRIC**

Garagum[®] **FAB**



Spunbond

Spunbond fabrics are produced by depositing extruded spun filaments onto a collecting belt in a uniform random manner followed by bonding the fibers with heat. The fibers are separated during the web laying process by air jets. Bonding imparts strength and integrity to the web by applying heated rolls or hot needles to partially melt the polymer and fuse the fibers together. Garagum Nonwoven produces Polypropylene Spunbond fabrics with SS double layer production technology. This technology make the fabrics with better physical properties and more homogeneous fiber distribution on the surface. Garagum Nonwovem applies various finish applications to Nonwoven fabrics according to the customer and market requirements such as slitting, splicing, rewinding, printing and lamination.

Production details

Production Tech:	Spunbond (SS)
Raw material:	Polypropylene (PP)
Width:	10cm-165cm
Weight range:	10 g/m ² - 150 g/m ²
Applications:	Hydrophilic, Hydrophobic, UV Resistance, Anti-Static, Flame Retardant, Laminated

Application

- Automotive
- Civil engineering
- Sanitary and medical
- Packaging
- Agriculture
- Furnitures and bedding
- Luggage and shoe lining
- Promotional items



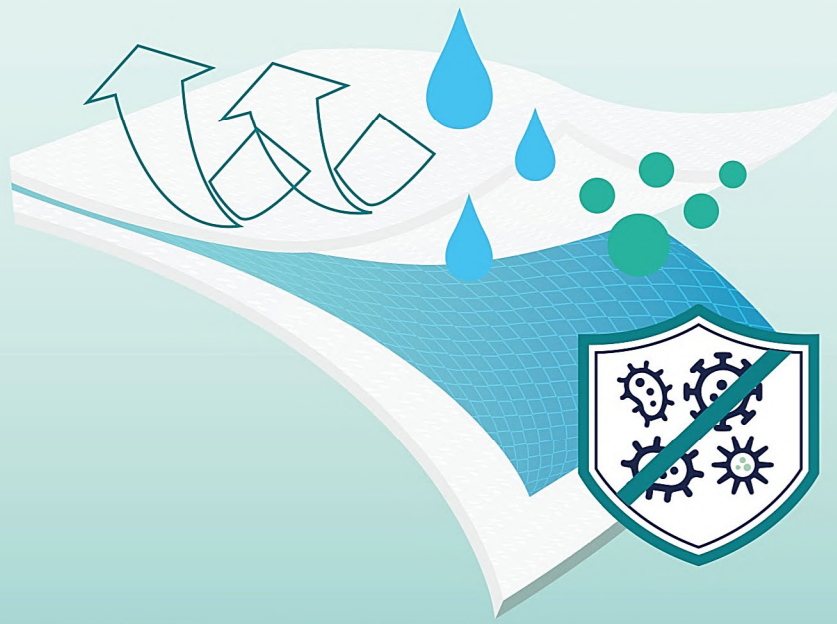
soil protection



Sofa, mattress, furniture, ext



Meltblown



Non woven

FILTER MEDIA

Garagum[®] **MELT**



Meltblown

Melt blowing is a conventional fabrication method of micro- and nano-fibers where a polymer melt is extruded through small nozzles surrounded by high speed blowing gas. The substantial benefits of melt blowing are simplicity, high specific productivity and solvent-free operation. Garagum nonwoven produces Polypropylene Meltblown fabrics with high filtration ability and absorption capacity as well as other properties.



Production details

Production Tech: Meltblown

Raw material: Polypropylene (PP)

Width: 10cm-160 cm

Weight range: 15 g/m² - 40 g/m²

Applications: Hydrophilic, UV Resistance,
Anti-Static, Flame Retardant

Application

Environmental cleaning as sorbents

Automotive

Filtration

Insulation

Furnitures

Wipes and building materials

Medical and Protective clothing

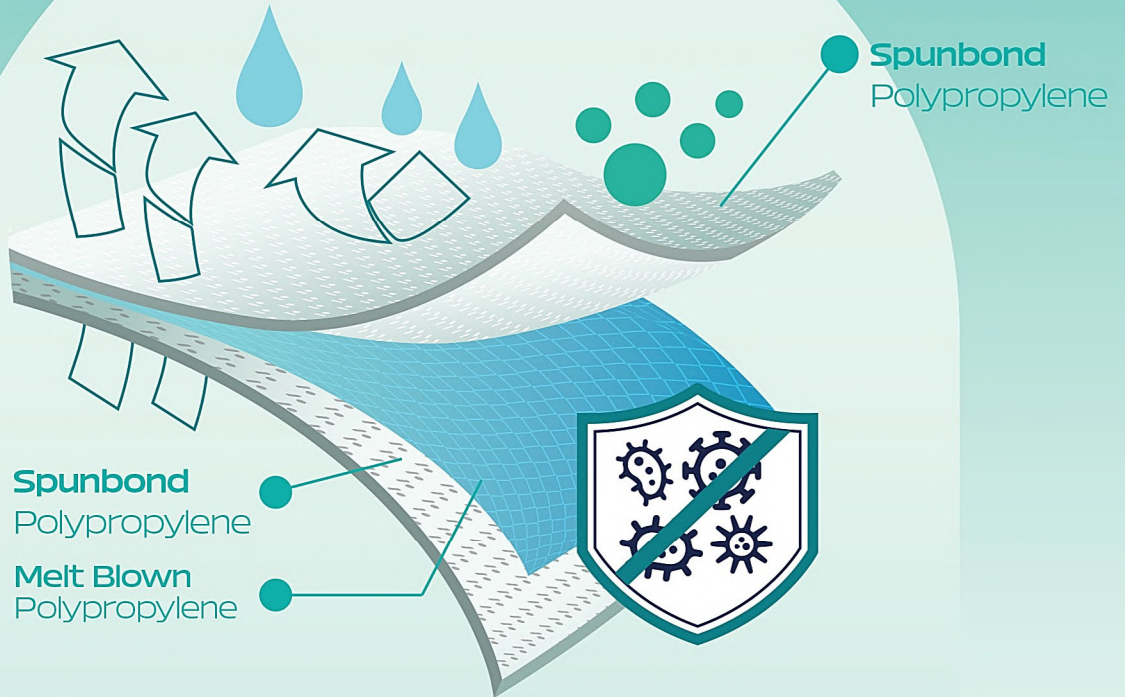
HVAC Filters



Meltblown Filters Cartridges



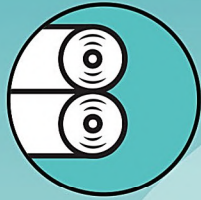
Spunmelt



Non woven

**HYGIENIC
COMBO**

Garagum[®] **FAB**



Spunmelt

SMS is the abbreviation of "Spunbond + Meltblown + Spunbond Nonwovens", that is a combined nonwoven fabric which two layer spunbond have been combined with one layer meltblown nonwovens inside, conforming them into a layered product, called SMS nonwoven fabric (spun-melt-spun). Garagum Nonwoven produces SMS with Polypropylene Spun melt production technology that contains multiple Spunbond and Meltblown in single production line. Garagum Nonwoven apply various finish applications to Nonwoven fabrics according to customer and market requirements such as slitting, splicing, rewinding, and lamination.

Production details

Production Tech: SpunMelt

Raw Material: Polypropylene (PP)

Width: 10cm-165cm

Weight range: 13 g/m² - 150 g/m²

Applications: Hydrophilic
UV Resistance
Anti-Static
Flame Retardant
Antibacterial





Disposable Coverall



Product Name: Disposable Coverall
Type: SMS Coverall
Sizes: L, XL, 2XL
Weight: 35-40 gsm
Color: Medical white
Regular Material: SMS
Sterilization: Non



Disposable Gown



Product Name: Disposable Gown
Weight: 35-40 gsm
Color: Medical blue, white and turquoise
Regular Material: SS/SMS



Category	Application	Sizes	Sterilization
Level 1	Visitor gown	120, 130, 140, 150	non
Level 2	Surgical gown	120, 130, 140, 150	non
Level 3	Surgical gown	120, 130, 140, 150	non

Disposable Bed Sheet



Product Name: Disposable Bed Sheet
Type: SMS Bed Sheet
Weight: 35-40 gsm
Color: Medical white, blue
Regular Material: SMS
Sterilization: Non



SPECIFICATION	LENGTH (m)	WIDTH (m)
1	160	0,80
2	160	1,00
3	160	1,20
4	160	1,40
5	160	180
6	160	200

Disposable Bouffant Cap



Soft super-elastic enclosed dual band
for comfort and fit

Breathable fabric
while offering good coverage

Room for longer hair
21" universal size

Oderless
made with quality material



N95 Face Mask



Product Name:	Disposable N95 face mask
Usage:	Standard face mask
Material:	Spunbond, Meltblown, Hot Cotton, Meltblown, Spunbond
Weight:	40-45 gsm
Color:	White (all colors possible)
Packaging:	10 pcs/package
Valve:	yes/no

Product details



Filtration valve
Metal nose strip
Elastic earloop

3ply Face Mask



Product Name:	Disposable 3ply face mask
Type:	S,M,S 3ply face mask
Usage:	Standard face mask
Material:	Spunbond, Meltblown, Spunbond
Weight:	25 gsm
Packaging:	50 pcs/package
Colors:	Any



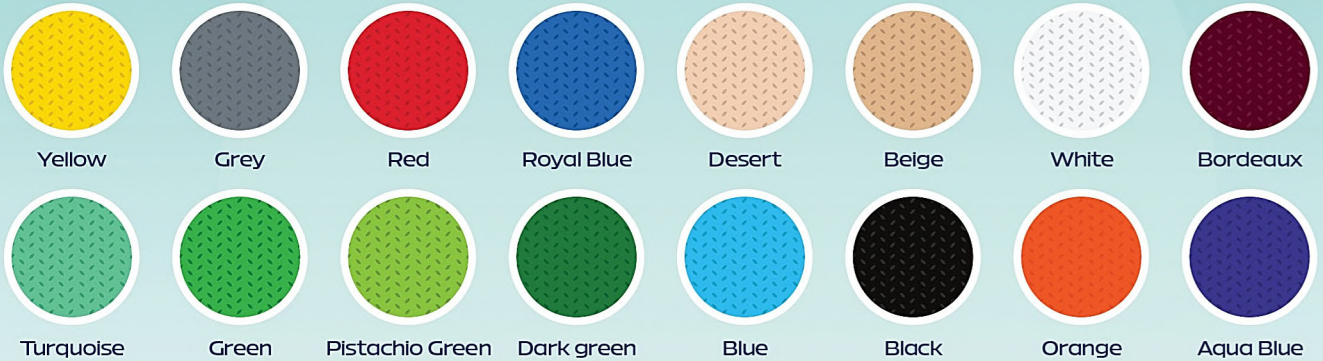


Non woven
Eco-bags

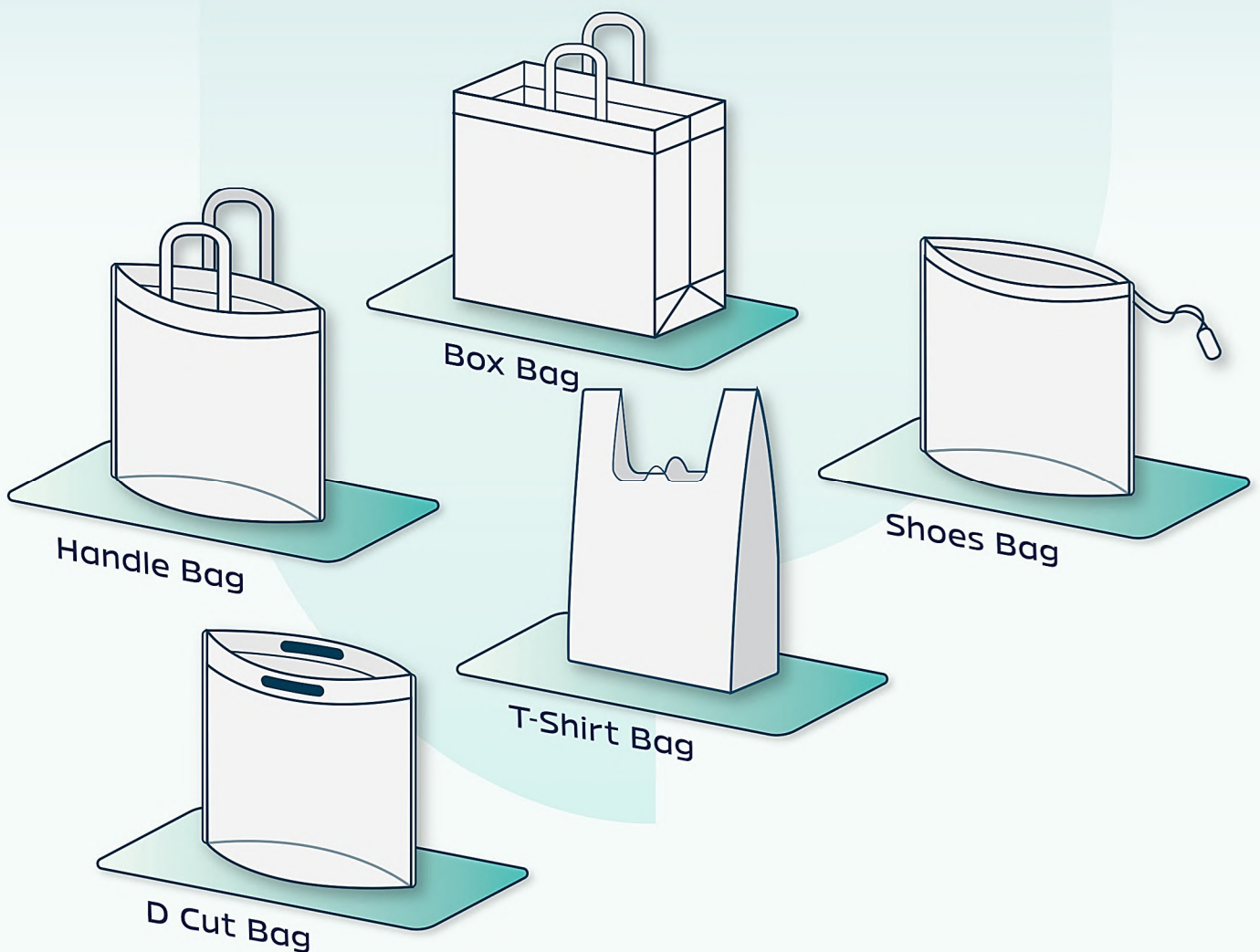
Garagum[®] **PACK**

Reusable PP Bags

Spunbond Bag Colors



Spunbond Bag Types



Reusable PP Bags

Spunbond Bag, Flexo print & Rotogravure



Spunbond Bag, Laminated



Rotogravure printing

Laminated non woven bag has better printing skills

Our References



GARAGUM

NONWOVEN

CLEAN AND SOFT

Nonwoven Fabrics



Eco-friendly



Recycle



Zero-waste



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9001:2015



14001:2015



45001:2018