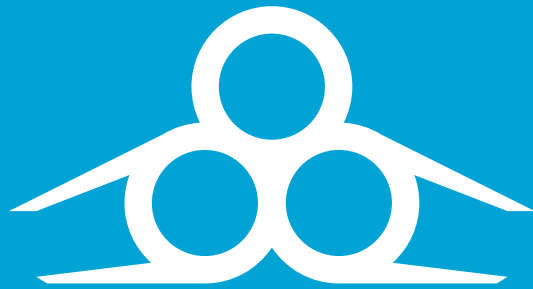




Anatel

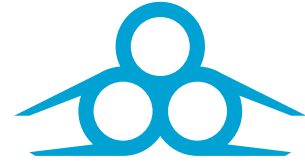


Anatela



# Anadoluboru

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











# AnadoluBoru

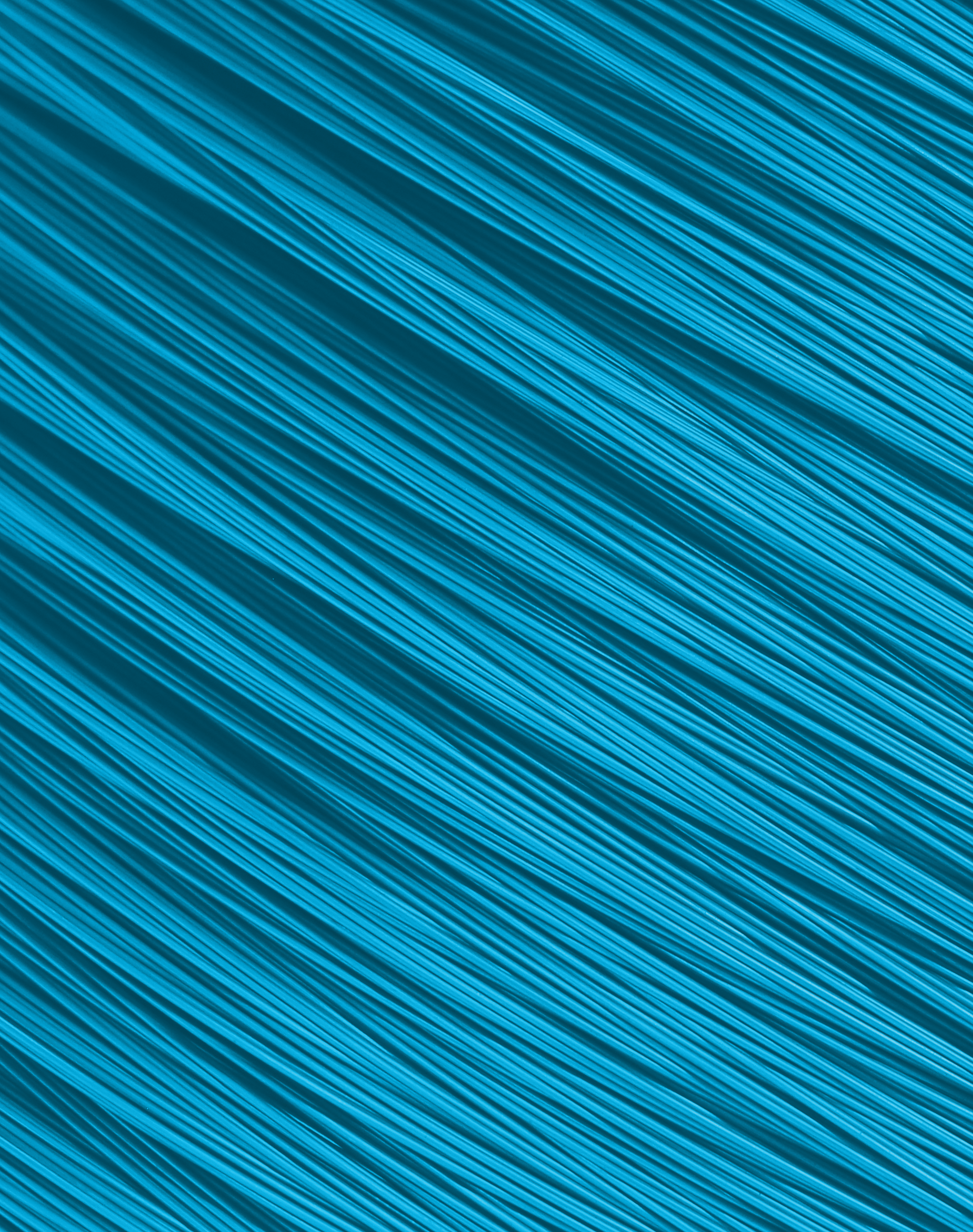
## GROUP COMPANIES

Anadolu Boru, with its subsidiaries Anatel Metal and Zeb Metal, has been a significant supplier to furniture, housewares, metal fabrication and other various industries since 1998.

Anadolu Boru and its group companies are serving many reputable domestic and international brands offering the following product groups.

-  Welded steel tubes
-  High strength steel tubes
-  Steel sheet and strip
-  Cold drawn steel wire with bright and normal surface
-  High carbon grade steel wire
-  Furniture fitting elements
-  Pocket spring systems
-  Spunbond nonwoven fabric





[www.anatelmatal.com.tr](http://www.anatelmatal.com.tr)



Anatel was established in 2005 as a subsidiary of Anadolu Boru. Anatel started its operations with steel wire production and expanded its product portfolio with additional investments in production of fitting elements, high strength steel tube and high carbon steel wire respectively. As a result, Anatel has become a significant industrial supplier to various manufacturing sectors including housewares, household appliances, furniture and mattress industries.

Anatel continues its operations over a 9.000 m<sup>2</sup> covered area in industrial zone of Kayseri city with its processing capacity of 30.000 tons of long steel products and 20.000 tons of flat steel products annually. Anatel will continue to take firm steps towards its goal of being a globally preferred, reliable and innovative industrial solution partner in its areas of activities.



## STEEL SPRING WIRE

Following TS EN 10270-1+A1 standards, Anatel manufactures spring wire from medium to high carbon steel grade, between 1,20 mm and 5,00 mm wire diameters with its up to date machinery park and experienced technical staff.

From specifying wire rod grade to details of surface preparation processes and from design of dies to selection of suitable process lubricants; Anatel sets its production parameters according to process requirements of customers and supplies high quality spring wire to mattress, furniture and mechanical spring industries.



TECHNICAL SPECIFICATIONS OF STEEL SPRING WIRE (TS EN 10270-1+A1)

Application	Diameter (mm)	Tolerance (mm)	R <sub>m</sub> Range of tensile strength (Mpa)	Minimum number of twists in the torsion test	Wire grade	Range of C content in chemical composition (%)	Standard wire gauge	Variation (in)	R <sub>m</sub> Range of tensile strength (ksi)
Helical wire	1,30	± 0,020	1640 - 1890	25	SL	0,43 - 0,48	17 ½	± 0,0010	235 - 275
	1,40	± 0,020	1620 - 1860	25	SL	0,43 - 0,48	17	± 0,0010	235 - 270
Pocket springs, Bonnell springs and other open coil systems	1,20	± 0,020	1920 - 2160	25	SM	0,63 - 0,67	18	± 0,0010	275 - 315
	1,30	± 0,020	1900 - 2130	25	SM	0,63 - 0,67	17 ½	± 0,0010	275 - 310
	1,40	± 0,020	1870 - 2100	25	SM	0,63 - 0,67	17	± 0,0010	270 - 305
	1,50	± 0,020	1850 - 2080	22	SM	0,63 - 0,75	16 ½	± 0,0010	265 - 300
	1,60	± 0,020	1830 - 2050	22	SM	0,63 - 0,75	16	± 0,0010	265 - 300
	1,70	± 0,020	1810 - 2030	22	SM	0,63 - 0,75	15 ½	± 0,0010	260 - 295
	1,80	± 0,025	1790 - 2010	22	SM	0,63 - 0,75	15	± 0,0010	260 - 290
	1,90	± 0,025	1770 - 1990	22	SM	0,63 - 0,75	14 ¾	± 0,0010	255 - 290
	2,00	± 0,025	1760 - 1970	22	SM	0,63 - 0,75	14	± 0,0010	255 - 285
	2,10	± 0,025	1740 - 1960	22	SM	0,63 - 0,75	13 ¾	± 0,0010	250 - 285
	2,20	± 0,025	1490 - 1710	22	SL	0,63 - 0,75	13 ½	± 0,0010	215 - 250
	2,30	± 0,025	1470 - 1690	22	SL	0,63 - 0,75	13	± 0,0010	210 - 245
	2,38	± 0,025	1470 - 1690	22	SL	0,63 - 0,75	12 ¾	± 0,0010	210 - 245
	2,40	± 0,025	1470 - 1690	22	SL	0,63 - 0,75	12 ¾	± 0,0010	210 - 245
	2,45	± 0,025	1460 - 1680	22	SL	0,63 - 0,75	12 ¾	± 0,0010	210 - 245
	2,50	± 0,025	1460 - 1680	22	SL	0,63 - 0,75	12 ½	± 0,0010	210 - 245
Zig zag (S) springs and Frame wire	2,80	± 0,030	1420 - 1640	22	SL	0,63 - 0,82	10 ½	± 0,0015	205 - 240
	3,50	± 0,030	1350 - 1560	16	SL	0,63 - 0,82	9 ¼	± 0,0015	195 - 225
	3,66	± 0,030	1340 - 1540	16	SL	0,63 - 0,82	9	± 0,0015	195 - 225
	3,80	± 0,030	1340 - 1540	16	SL	0,63 - 0,82	8 ¾	± 0,0015	195 - 225
	3,90	± 0,030	1320 - 1520	16	SL	0,63 - 0,82	8 ½	± 0,0015	190 - 220
	4,00	± 0,030	1320 - 1520	16	SL	0,63 - 0,82	8 ¼	± 0,0015	190 - 220
	4,20	± 0,035	1310 - 1500	16	SL	0,63 - 0,82	7 ¾	± 0,0015	190 - 215
	4,50	± 0,035	1290 - 1490	12	SL	0,63 - 0,82	6 ¾	± 0,0015	190 - 215
	4,88	± 0,035	1260 - 1450	12	SL	0,63 - 0,82	6	± 0,0015	180 - 210

Note: Please get in contact with us for diameters and technical specifications that are not mentioned above .



## PACKAGING

Anatel delivers spring wires with coil, coil with inner cardboard, standard steel former and light construction steel former packaging options, between 100 kg and 900 kg (220 lbs - 2000 lbs) per package weight range and as wrapped with nylon, stretch film, PP or PE packaging materials depending on requirement of customers.

Internal coil diameter can be set between 400 mm and 500 mm (15¾ in - 19¾ in) for coil with inner cardboard packaging option.





STANDARD STEEL FORMER



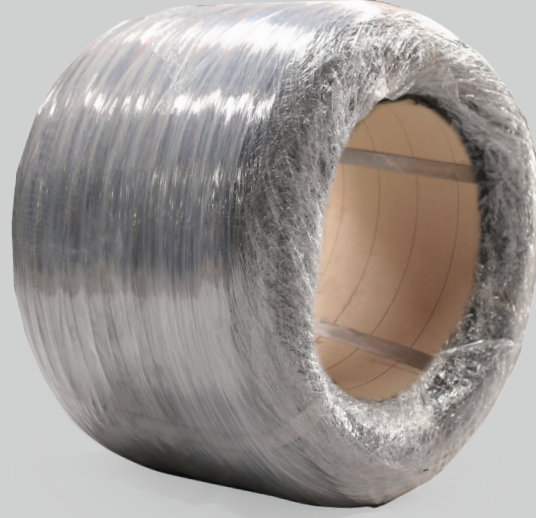
LIGHT CONSTRUCTION STEEL FORMER



COIL WITH INNER CARDBOARD



COIL WRAPPED WITH STRETCH FILM



SMALL COIL



COIL WRAPPED WITH PE MATERIAL







# Anatela

[www.anatela.com.tr](http://www.anatela.com.tr)

Specializing in production of nonwoven fabrics and other technical textiles, Anatela was established to offer innovative, customized and sustainable nonwovens to various industrial applications.

With its modern production line and experienced management and technical staff, Anatela supplies nonwovens to different manufacturing sectors, mainly including mattress, furniture, home textile, packaging, hygiene and personal care industries.

As a registered trade mark of Anadolu Boru LTD, Anatela is located in Kayseri industrial zone on a covered area of 5.500 m<sup>2</sup> and continues its operations with aim of being a globally preferred solution partner for nonwoven fabrics and technical textiles.





## PRODUCTION TECHNOLOGY AND APPLICATIONS

Sourcing 100% polypropylene raw material from the leading plastics and chemicals companies, Anatela manufactures spunbond nonwoven fabrics with SS multilayer production technology.

Thanks to its multilayer production technology, Anatela can obtain uniform distribution of fibers on the surface of fabric and can achieve high strength performance.

Anatela produces spunbond nonwovens by setting mechanical and physical properties of the fabric according to the area of application and supplies high quality spunbond fabrics to wide variety of industries and applications, including mattress, furniture, home textile, packaging, hygiene, personal care, medical textiles and agriculture.

TECHNICAL SPECIFICATIONS	
Raw Material	%100 Polypropylene (PP)
Production Technology	SS Spunbond
Bonding	Thermal Calendering
Maximum Fabric Width	240 cm (95")
Range of Basis Weight	10 g/m <sup>2</sup> - 150 g/m <sup>2</sup> (0,3 oz/yd <sup>2</sup> - 4,5 oz/yd <sup>2</sup> )



Mattress and Home Textile



Furniture



Personal Care



Medical Textiles



Hygiene



Packaging



Promotion



Protective Clothing



Agriculture



Construction



## FURNITURE AND HOUSEWARES

From back and bottom linings of sofas to back linings of headboards, and from upholstery quilting to portable closets; spunbond nonwovens are widely used in production of furniture and housewares.

Anatela spunbond fabrics can offer the functionality required by the furniture and houseware product groups with its durability in lining applications and wide range of basis weight and color options.



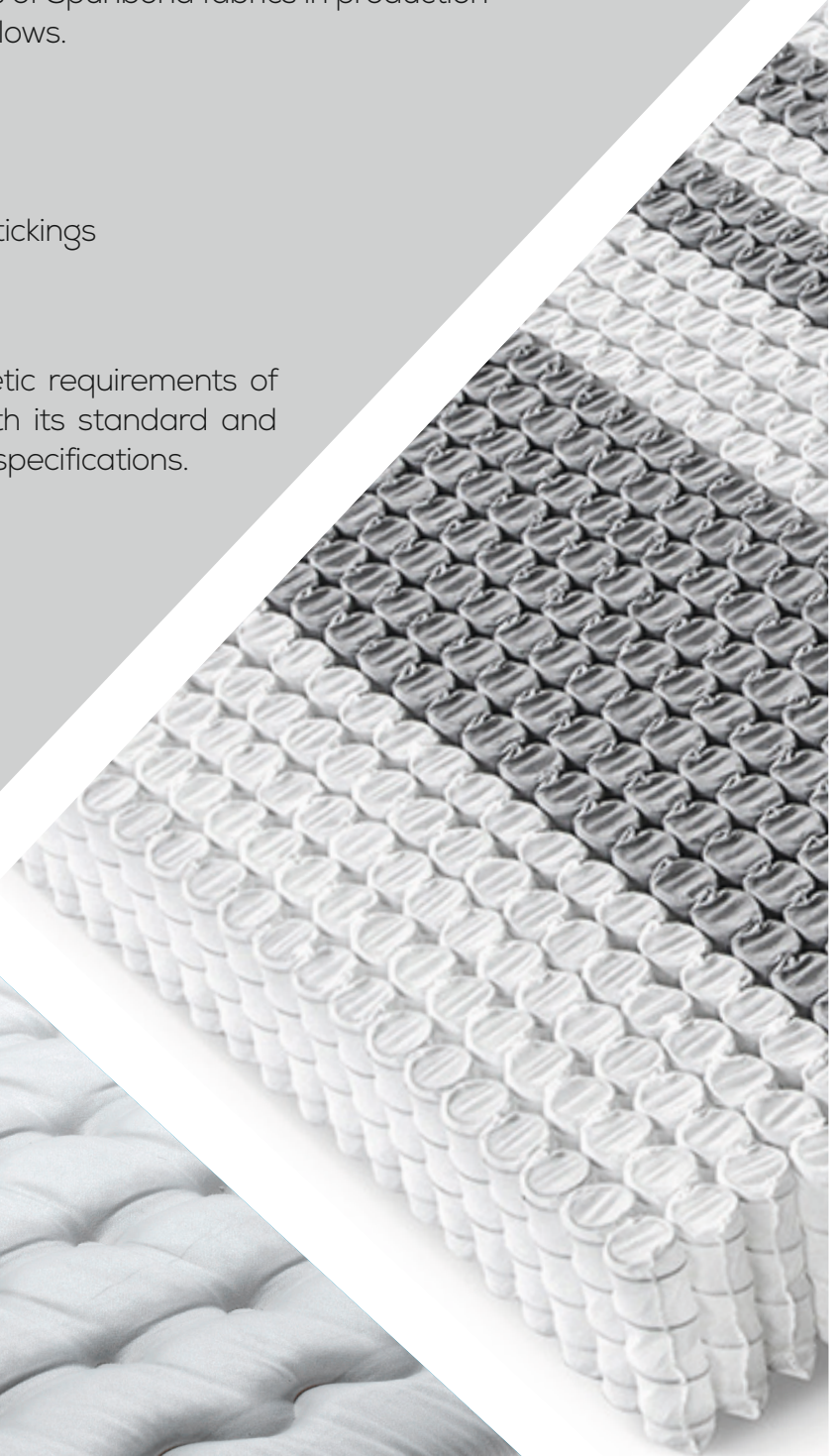


## MATTRESS AND HOME TEXTILE

Spunbond nonwovens are used in various applications in manufacturing process of mattresses, home textiles and other sleep products, adding functionality to the finished product. Typical application areas of Spunbond fabrics in production of mattresses and other home textiles are as follows.

- Production of pocket springs
- Quilting
- Flanging, border and lining operations
- As lamination layer of woven mattress tickings
- Cases of pillows, cushions and quilts
- Disposable table cloths and placemats

Anatela can meet technical and aesthetic requirements of mattress and home textile product groups with its standard and customized color options and tailored technical specifications.





## MEDICAL TEXTILE

Spunbond nonwovens manufactured by Anatela with SS technology, can be used in production of disposable medical textiles with their wide range of color and basis weight options. Possible application areas of spunbond fabrics in medical textile products are as follows.

- Face masks
- Disposable overshoes
- Disposable bonnet
- Stretcher cover
- Patient, examination or visitor gown







## HYGIENE AND PERSONAL CARE

Spunbond fabrics are used in production of disposable hygiene products such as diapers, feminine hygiene pads, adult incontinence products, diaper changing mats, baby care and cosmetics wipes together with other nonwovens.

Anatela spunbond nonwovens are preferred in personal care applications that require hydrophobic fabric characteristics, such as backsheet and fasteners of diapers and diaper changing pads with their soft touch feel.





## AGRICULTURE

Spunbond nonwovens are used as crop covers in agriculture and increase yield of crops. Anatela offers solutions to the following applications in agriculture and greenhouse cultivations with its spunbond fabrics.

- Thermal blanket applications to protect crops from frost
- Shading applications as standard or with UV protection additive
- Protection covers against weed and insects
- Fruit, sapling and seedling bags





## CONSTRUCTION AND BUILDING

Spunbond nonwovens provide effective solutions to different construction applications such as; roofing and siding barriers, tile underlay, backing of suspended ceiling and restoration covers.

Spunbond fabrics manufactured by Anatela, offer functional alternatives to different insulation and wrapping applications in construction sector.





## PACKAGING AND PROMOTION

Spunbond nonwovens provide eco-friendly solutions to packaging and promotional products applications such as shopping bags, dress covers, food packaging, bouquet wrapping and advertising banners with their recyclable, reusable and biodegradable construction.

Anatela spunbond fabrics are widely used in packaging and promotional products with their performance in converting processes such as digital printing, ultrasound welding and lamination and with their wide range of color options.





## PERFORMANCE NONWOVENS

From mattress, home textile and furniture product groups to disposable hygiene products, from agriculture applications to construction sector; Anatela provides performance nonwovens for different products in various field of applications. Anatela performance nonwovens enhance application functionality and improve performance of end products.



Antistatic



Well being



Antisoil



FR



UV protection



Soft touch





## ANTISTATIC SERIES

Anatela antistatic series of performance nonwovens improve antistatic performance of mattress, home textile and furniture products that are designed with anti-static and anti-stress concept to regulate biorhythm of human body.

Antistatic nonwovens meet antistatic characteristics defined in TS EN 61340-2-3 standards at 23°C – 50%rH testing conditions. Up to 99,9% improvement is obtained in surface resistivity of antistatic series of nonwovens, when compared with standard spunbond fabrics.

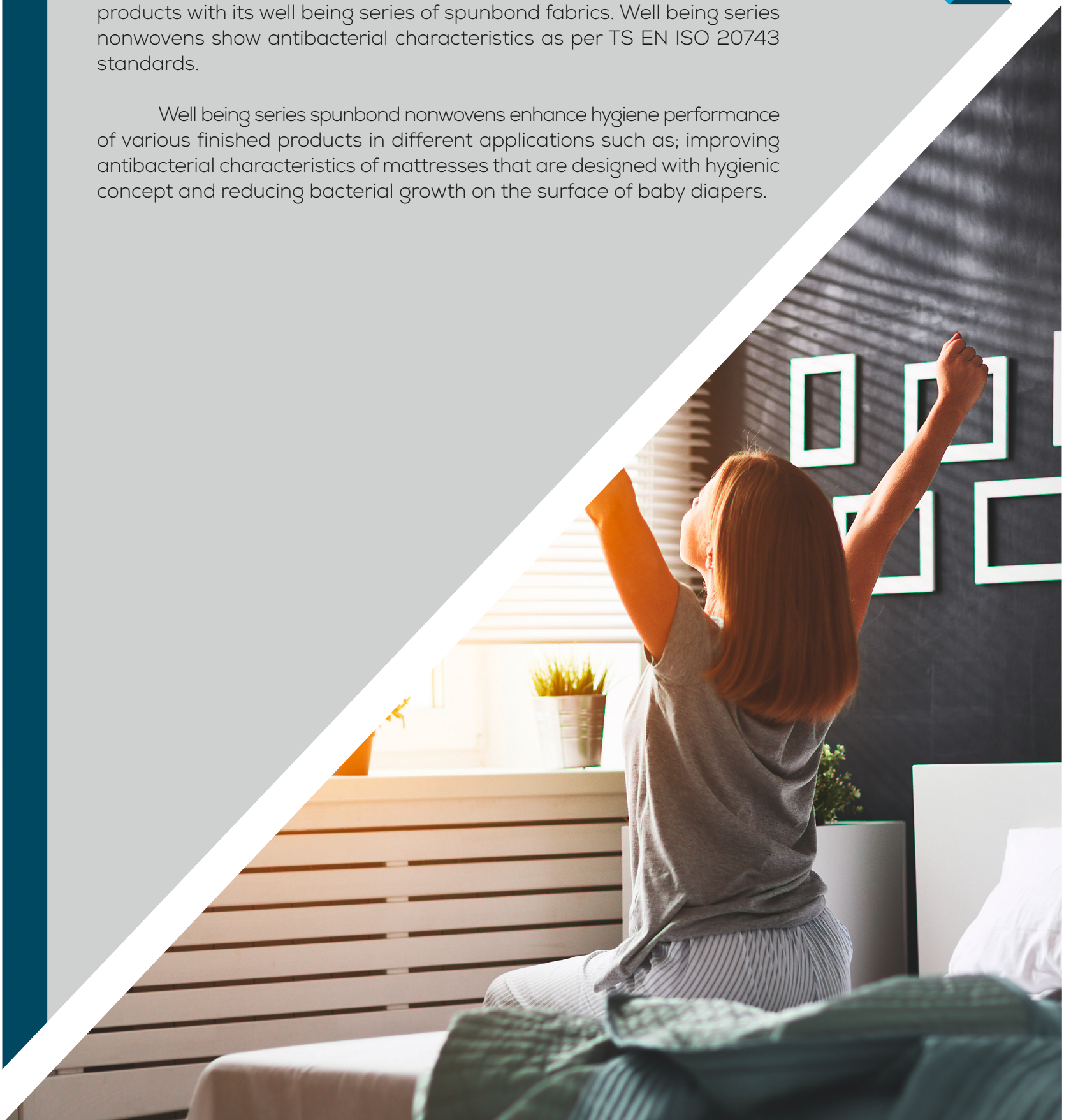




## WELL BEING SERIES

Anatela provides effective solution to limit formation and development of microbe, bacteria and other harmful microorganisms on the surface of products with its well being series of spunbond fabrics. Well being series nonwovens show antibacterial characteristics as per TS EN ISO 20743 standards.

Well being series spunbond nonwovens enhance hygiene performance of various finished products in different applications such as; improving antibacterial characteristics of mattresses that are designed with hygienic concept and reducing bacterial growth on the surface of baby diapers.





## ANTISOIL SERIES

With its enhanced hydrophobic performance, Anatela antisoil series of spunbond nonwovens repel water, alcohol and oil based liquids over fabric surface and improve stain resistance of end products.

Antisoil series spunbond fabrics provide effective solutions to different functional requirements such as, improving waterproof of roofing barriers at buildings and enhancing stain resistance of home textiles and housewares.







## FR SERIES

Anatela FR series of spunbond fabrics show fire retardant characteristics as per TS EN ISO 11925-2, TS ISO 3795 and ASTM D 635 standards which are required by various industrial applications including furniture, mattress, construction and automotive industries.

Having produced with eco-friendly additives, FR series spunbond nonwovens maintain their fire retardant features after multiple washes and reduce risk of fire in the application areas.





## UV PROTECTION SERIES

UV Protection series nonwovens improve performance of spunbond fabrics in agriculture applications by protecting against ultraviolet radiation of sun and extending lifespan of crop covers.

Anatela UV Protection series of spunbond nonwovens are produced with customized features taking into consideration the location of application, lifespan expectancy and basis weight of fabric and meet the expected performance requirement.





## SOFT TOUCH SERIES

Anatela soft touch series of nonwovens provide silky feeling over the surface of spunbond fabric with its extra soft feel.

Soft touch series nonwovens are significant comfort component in different applications such as hygiene and medical products that are in direct contact with human skin and home textile and sleep products that are designed with ultra-plush comfort level.



HOHENSTEIN Textile Testing Institute GmbH & Co. KG  
Schlosssteige 1, 74357 Bönnigheim, Germany

OEKO-TEX®  
INSPIRING CONFIDENCE

# CERTIFICATE

## The company

Anadolu Boru Profil Ve Nakliye  
San. Ve Tic. Ltd. Şti.  
Beydegirmeni Mah. Beydegirmeni Km. Evl.  
No. 87  
38090 Kocasinan - Kayseri, TURKEY

is granted authorisation according to STANDARD 100 by OEKO-TEX® to use  
the STANDARD 100 by OEKO-TEX® mark, based on our test report  
21.0.67790



## for the following articles:

Masterbatch dyed (only in white) spunbonded nonwoven fabrics (without adhesive) produced from polypropylene.

The results of the inspection made according to STANDARD 100 by OEKO-TEX®, Annex 6, product class I have shown that the above mentioned goods meet the human-ecological requirements of the STANDARD 100 by OEKO-TEX® presently established in Annex 6 for baby articles.

The certified articles fulfill requirements of Annex XVII of REACH (incl. the use of azo colourants, nickel release, etc.), the American requirement regarding total content of lead in children's articles (GPSIA; with the exception of accessories made from glass) and of the Chinese standard GB 18401:2010 (labelling requirements were not verified).

The holder of the certificate, who has issued a conformity declaration according to ISO 17050-1, is under an obligation to use the STANDARD 100 by OEKO-TEX® mark only in conjunction with products that conform with the sample initially tested. The conformity is verified by audits.

The certificate 21.HTR.67790 is valid until 31.08.2022

Bönnigheim, 02.08.2021

  
Dipl.-Ing. (FH) Jovane Selva  
Head of Certification Body OEKO-TEX®

OEKO-TEX® Association | Genferstrasse 23 | CH-8002 Zurich





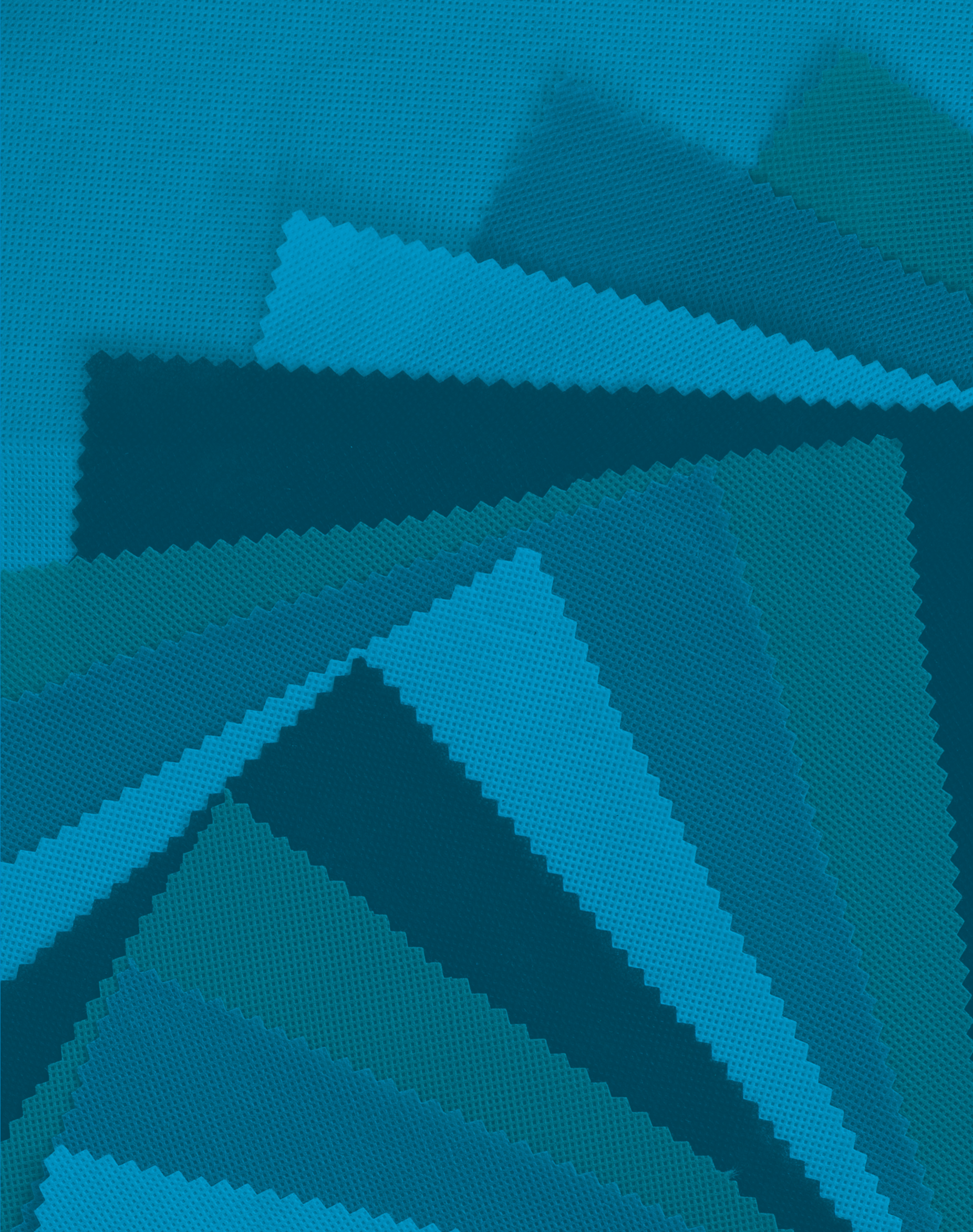
## SUSTAINABILITY

Anatela manages its supply chain and manufacturing operations in line with its goal of producing eco-friendly nonwovens.

With this respect, Anatela supplies its polypropylene raw material, polymer colorants and polymer performance additives from leading plastic and chemical manufacturers of the world that operate with sustainability policies.

Anatela guarantees nonhazardous content of its spunbond nonwovens with STANDARD 100 by OEKO – TEX® certification.









**AnadoluBoru**

**ANADOLU BORU PROFIL NAK. SAN. ve TIC. LTD. STI.**

O.S.B. 34.Cad. No: 2/E Melikgazi/KAYSERİ

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