

naia™
FROM NATURE TO FASHION

NAIA™

**We offer the best
cellulose acetate
staple fiber for the
fashion industry...**



karacasu
s p i n n o v a t i o n

www.karacasutekstil.com

ABOUT US

Sustainable resource management for sustainable success...

Founded in 1996 in Kahramanmaraş, our company; It is an innovative textile company with Open-End, Ring Spinning and Fold Twisting technologies.

Our Open-End facility has a production capacity of 15,000 tons/year with 5,200+ rotors, our Ring facility has a production capacity of 6,000 tons/year with 20,000+ spindles, and our Folding and Twisting facility has a production capacity of 2,000 tons/year with 3,000 spindles. In our Ring, Open-End and Fold Twisting facilities; compact, siro, slub and lycra yarns are produced.

Our company is the only yarn producer with the R&D Center license issued by the Ministry of Industry and Technology. Our R&D Center; innovative machine design, correction of production errors, sustainable and environmentally friendly raw material studies, improving the performance of yarns in weaving and knitting machines, etc. produces innovative solutions in such matters.

In all of our activities, we adopt as a principle to continuously improve our energy performance and to make it environmentally and economically sustainable. In this context, we have completed the installation of the "Solar Energy System" on the roofs of our Open-End and Ring Facilities, which will meet 50% of our energy consumption. Because we see sustainability as a responsibility, not a trend issue.



KARACASU TEKSTİL & NAİA™

In cooperation with Eastman Naia™, which we are the first alpha partner in Turkey, within the scope of "1501 - TÜBİTAK Industry R&D Projects Support Program", which is a first for our country, "Turning Acetate Fiber into Yarn with Short Fiber Spinning Technology and Weaving-Knitting We carried out a project on "Development of Multifunctional Yarns with Soft Touch, Antipilling and Antistatic Feature for Fabrics". In addition, we have an equity project called "Development of Low Cost Moisture Absorbing Soft and Glossy Yarns" that we realized with Open-End technology.

We are proud to produce yarn as the first alpha partner of Eastman Naia™ in staple fiber production in Turkey...

IN ORDER TO MINIMIZE THE DAMAGE CAUSED BY TEXTILE WASTES TO OUR ENVIRONMENT, WE USE OUR RAW MATERIAL NEEDS FOR FIBERS OBTAINED FROM SUSTAINABLE SOURCES.

PRESENTATION

Sustainable production process with low environmental impact...

Naia™ cellulosic acetate fiber with full traceability from wood to fiber is manufactured in the USA by Eastman Company. Naia™ cellulosic acetate fiber allows safe solvents to be recycled and reused thanks to its closed-loop manufacturing process, resulting in fiber with low environmental impact.

Naia™ cellulosic acetate fiber; It is obtained by acidifying the cellulose raw material obtained from wood and cotton fibers, dissolving acetyl cellulose and spraying the solution. This raw material, also known as rayon, has become the favorite fiber of fashion and designers in

the textile industry today. In addition, the low wet and dry strength values (1.5-2 g/ denier) have enabled this fiber to be used more as a texturized fiber.

Naia™ cellulosic acetate fiber; innovative, sustainable, silky softness, fast drying feature, unique touch, antipilling (in the fabric it is in) etc. It can be used as a raw material in the manufacture of high value-added products.

Naia™ cellulosic acetate fiber also provides diversity in production thanks to its different blending options.



FEATURES

It maintains its softness even after repeated washings...



FAST DRYING

Naia™, blended yarns have a low environmental impact and dry faster than fabrics made from other cellulosic and natural fibers. Naia™ is constantly improving its drying speed as it offers versatile blending options.



SOFTNESS

Fabrics made from Naia™ blended yarns retain their softness even after repeated washings. It feels comfortable when it comes into contact with the skin, it is extremely soft for the skin. Compared to viscose and cupro, it is indisputably superior in softness.



LESS FEATHERING

Fabrics made from Naia™ blended yarns do not cause pilling, feathering or abrasion even after continuous use and repeated washing. This feature provides higher consumer satisfaction by preserving the comfort and aesthetics of the clothes.



EASE OF MAINTENANCE

Clothing made from Naia™ blended yarns is extremely easy to care for; They are machine washable and have high pilling resistance. You can produce extremely soft and smooth fabrics with Naia™ blended yarns.

CERTIFICATES

Use of safe and environmentally friendly chemicals...

Naia™ cellulosic acetate fiber derived from sustainably managed pine and eucalyptus trees to protect endangered forests;

- It has the "FSC® and PEFC™ Chain of Custody" certificate and its suppliers have international forestry certificates. According to the "Canopy Hot Button Report" the risk of obtaining their resources from old and endangered forests is zero.
- It is produced with a closed-loop production process that allows solvents to be recycled and reused into the system. It is certified to "OEKO-TEX® Standard 100 Product Class I" and is produced without hazardous chemicals

in the "ZDHC Manufacturing Restricted Substances List".

- It has an optimized, low-impact manufacturing process with a low carbon and water footprint from wood to fiber. It has a third-party revised lifecycle assessment in line with ISO 14044 and is included in the Higg Materials Sustainability Index.
- It is "OK Biodegradable" certified by TÜV AUSTRIA for freshwater and soil environments. It also has the "OK Compost" conformity mark confirming that it is biodegradable and compostable.



INNOVATIONS BROUGHT TO THE TEXTILE INDUSTRY

Sustainability is not a trend issue, it is a responsibility...

Traditional fashion industry; It is responsible for 20% of water pollution, 35% of microplastic pollution in the oceans and 10% of global carbon emissions. While the effects of the fashion industry on the environment are so high, with the introduction of acetate fiber into short fiber technology;

- Decreased use of petroleum-derived synthetic fibers (polyester, acrylic, polyamide, etc.).
- Bringing soft-touch, silky-handed, quick-drying, static-free and non-pilling yarns to all sectors.
- Reducing your energy costs due to the drying properties of acetate at low temperatures.
- Obtaining the muline effect with a single dyeing (disperse or reactive) in fabric constructions and towels, yarns produced with a mixture of Naia™ and other raw materials.

is provided.



BLENDING OPTIONS

Versatile blending options offer manufacturers alternatives...

As Karacasu Tekstil, Ne: 3/1-40/1 scale; We also produce yarns with other fibers such as Recycled Polyester, Lycocell, Modal, Viscose, Cotton, Hemp and Linen or in special compositions in line with

the requests of our customers. At the same time, we can make multiple layers of these yarns in the folding/twisting machines of these blends.

KNITTING INDUSTRY

In Yarns Between Ne: 16/1-40/1

Naia™	100%		
Naia™/Cotton	30%-70%	Naia™/Cotton	70%-30%
Naia™/Modal	30%-70%	Naia™/Modal	70%-30%
Naia™/Lycocell	30%-70%	Naia™/Lycocell	70%-30%
Naia™/Recycled Polyester	30%-70%	Naia™/Recycled Polyester	70%-30%
Naia™/Polyester	30%-70%	Naia™/Polyester	70%-30%
Naia™/Polyester/Hemp	35%-50%-15%		
Naia™/Lycocell/Hemp	35%-50%-15%		

WEAVING INDUSTRY

In Yarns Between Ne: 6/1-40/1

Naia™/Cotton	30%-50%	Naia™/Cotton	70%-50%
Naia™/Modal	30%-50%	Naia™/Modal	70%-50%
Naia™/Lycocell	30%-50%	Naia™/Lycocell	70%-50%
Naia™/Recycled Polyester	30%-50%	Naia™/Recycled Polyester	70%-50%
Naia™/Polyester	30%-50%	Naia™/Polyester	70%-50%
Naia™/Polyester/Hemp	35%-50%-15%		
Naia™/Lycocell/Hemp	35%-50%-15%		

TOWEL INDUSTRY

In Yarns Between Ne: 10/1-16/1

Naia™/Cotton Super Soft	30%-50%	Naia™/Cotton Super Soft	70%-50%
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PARTNERSHIPS

We offer the best
sustainable choices for
the fashion industry...



SEAQUAL
INITIATIVE

POLYLANA®



Agraloop™

CONTACT

Continuing our tradition of results-oriented, strong performance...

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