



Y A R N

**KORTEKS**

# ENVIRONMENTAL VISION OF KORTEKS IN NUMBERS



- In the near future, we intend to generate our own annual energy consumption of 3,000,000 kwh through a renewable energy source, using our rooftop solar panels. This will allow us to avoid more than 1,500 tons of greenhouse gas emissions per year.
- To protect our natural resources, we have reduced our consumption of drinkable water. Now we use 350,000 tons less drinkable water annually, achieving both social and environmental benefits.
- Without any water consumption, we are able to fulfill the colored yarn requests of our customers
- We are constantly trying to minimize our impact on climate change. In the last ten years, we have avoided more than 15,000 metric tons of greenhouse gas emissions.
- We are able to recycle %99 of our waste.
- We monitor our products according to the principle of life cycle analysis together with the sources we use in the integrated production process and can analyze our environmental impact. As a result of these studies, we have published the EPD documents for our Recycle and Virgin products.
- We achieve sustainable growth with the help of ideas that come from our employees who are involved in activities that lead to minimizing the consumption of resources in more than 20 projects per year.



ENVIRONMENTAL PRODUCT DECLARATION

www.environdec.com  
Registration number: S-P-04109

## YARN SOLUTIONS FOR A SUSTAINABLE WORLD

### SOLUTION DYED TECHNOLOGY

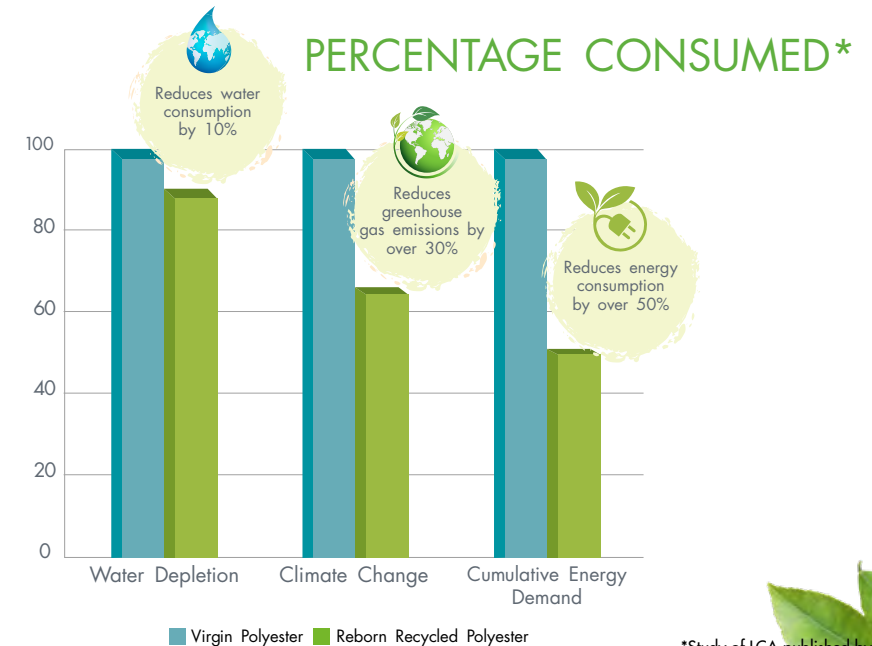
We offer endless custom color solutions with our in-house masterbatch without water consumption.

- 50 times less electricity consumption and 1500 times less water consumption compared to bobbin dyed process.
- Color homogeneity per batch.
- Improved color fastness .
- Less carbon emissions.
- Environmentally friendly production.



The benefits of TAÇ Reborn recycled polyester filament yarn made from plastic bottles and yarn waste as raw material;

- Reduction of environmental pollution.
- Contribution to the economy.
- Conservation of natural resources thanks to the reuse of yarn production waste.
- Energy-saving.
- Less greenhouse gas emissions.



\*Study of LCA published by EPD

## TAC EASY DYE PES YARNS

By using standard polyester yarn, medium shade and dark shade Easy Dye yarns together in the fabric, three different color levels can be achieved with a single dyeing process.

- Dyeable with standard polyester dyes at 98°C.
- Loosens the solid structure of the fiber and allows the dye to be absorbed at lower temperatures.
- Ensures energy savings and production efficiency.
- Environmentally friendly and sustainable development.

## YARN SOLUTIONS FOR TECHNICAL TEXTILES AND FUNCTIONAL FABRICS



## ENGINEERED YARNS

- Customized solutions for automotive projects
- PBT
- Super stretch yarn with improved elasticity
- 4.5-6 cN/dtex yarns with medium tenacity produced with spin drawing
- Cut-resistant yarns that harden cuts on the fabric surface and are often preferred for applications such as gloves
- Colored yarns for food contact
- Antistatic yarns against static electrification
- Hybrid yarns for the production of composite materials.

## COMFORT & PERFORMANCE TEXTILES



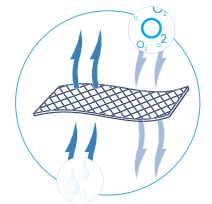
### Fine Yarns for Comfort

- Dtex 25 – dtex 30 multi filaments solution dyed yarns.

### Advanced Moisture Management with DRY TOUCH® Technology

The patented channel cross-section fibers used in DRY TOUCH® fabrics allow them to “breathe” naturally by letting air in and moisture out. Tests have shown that DRY TOUCH® fabrics absorb moisture faster than conventional polyester and cotton fabrics.

- High-tech functional yarn.
- Five channel cross-sectioned.
- High air permeability & breathability.
- Fast drying with the help of a large surface area.
- Lightweight, durable and long-lasting.



## FUNCTIONAL YARNS

They are used for various applications such as upholstery, carpets, terry cloth, medical textiles, polar fleece, sportswear, outdoor textiles and automotive textiles. All these products are very competitive in textile markets and are appreciated by consumers.



### TAÇ Flame Retardant

It gives textile products permanent flame retardancy and meets the following standards:

- NFPA 701
- BS 5867 Part 2 (1993) Type B
- BS 5852: 1979 Part 1
- NF P 92-503, NF P 92-504, NF P 92-505



### TAÇ Thermal Touch

It is a comfortable and high-tech yarn that provides rapid and strong warming, high insulation. The surface temperature of Thermal Touch is 10 °C higher than conventional polyester.

- High isolation capacity.
- Comfortable.
- Keeps body temperature warm.
- Proven technology.

Applications; Apparel, padding, mattress etc.



### TAÇ UV Resistant

TAÇ UV Resistant polyester yarns are specially formulated to provide excellent lightfastness properties that make them ideal for fabrics that will be used outdoors, such as awnings, tarpaulins, and garden furniture.

- 15 dope-dyed color options plus the ecru color.
- High light fastness.
- Long-lasting color durability.
- Prolongs the life of the yarn in outdoor environments.
- Sustainable production with less water and energy consumption.



### TAÇ Infrared

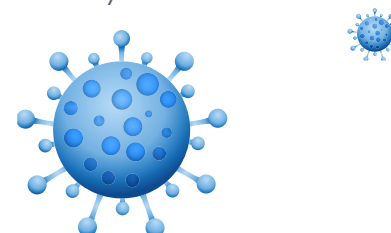
Polyester clothing does not protect you from being seen by a night vision device. Depending on the metabolism and activity of the body, a more or less intense orange or light green color is seen. This makes soldiers an easy target.

- Infrared polyester yarn filters out certain optical wavelengths and provides cloaking.

### TAÇ Clean Guard

This functional yarn meets the ISO 20743:2013 standard with Escherichia coli (ATCC 25922 Gram (-)) and Staphylococcus aureus (ATCC 6538 Gram (+)) Bacteria.

- Biocidal silver-based material to protect against bacterial infestation
- Environmentally friendly.
- Permanent functionality.

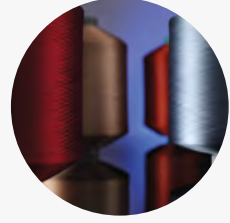




**TAC**  
**BioLoop**  
CICLO Inside



**TAC**  
**Reborn**



**SOLUTION  
DYED YARNS**



**Today for Tomorrow!**



## **KORTEKS**

BURSA FACTORY  
Fethiye OSB Mah. Sarı Cad. No:3  
16140 Bursa / TURKEY  
Phone: +90 224 219 11 00  
Fax: +90 224 242 65 09  
korteks.info@zorlu.com

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