

KORTEKS



Y A R N

www.korteks.com.tr

KORTEKS:

Europe's biggest polyester filament yarn manufacturer

A leader of Turkey's textiles industry which has more than 2,000 employees and gross sales worth USD 400 million a year and which ships its goods to destinations in all over Turkey and in more than sixty countries on five continents, KORTEKS focuses on customer satisfaction at every stage of its manufacturing and service processes.

About 80% of KORTEKS's total production serves its home market while the remainder is exported to more than sixty countries, among them Germany, Italy, the UK, the USA, Canada, Mexico, and South Africa.

Commencing operations in Bursa in 1989, KORTEKS (Textile Industry & Trade Inc) today is a fully-integrated polyester-yarn manufacturer and exporter with the highest production capacity of any producer in Europe. Operating in plant facilities with 352 thousand m² of space, KORTEKS not only meets the Turkish textile industry's needs for high-quality polyester yarns with a rich and diversified lineup of products capable of supplying the market with whatever it wants but also sends its goods to every corner of the world.

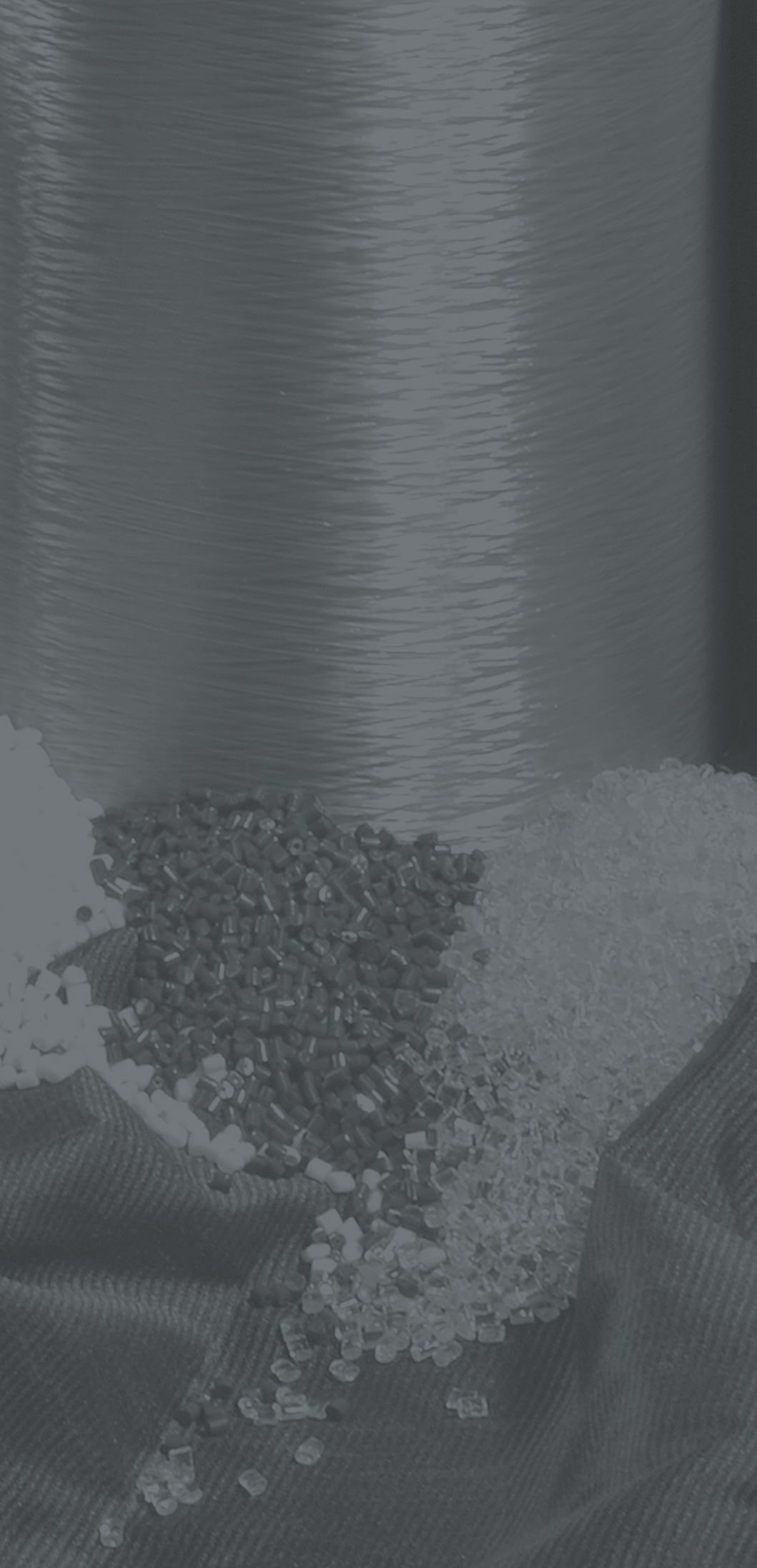
Because of their unique blend of functional yet natural-feel features, KORTEKS-made products are used by manufacturers for many different applications ranging from sportswear to formal attire and from automotive upholstery to textiles for homes and hospitals that make them a part of people's everyday lives.

KORTEKS carries out its production at seven operational facilities located in two separate plants. The first, which was commissioned in 1989 and whose polymer production capacity is currently 80 tons/day, is the Emre Plant; the second is the Berkun Plant, which was commissioned in 1998 and whose polymer production capacity is 500 tons/day.*

Conforming to the highest world standards, both plants are located within the Bursa Organized Industrial Zone (BOSB).









STANDARD YARNS



TAÇ POLYESTER CHIPS

TAÇ polyester chips are produced by granulizing polyester formed in a polycondensation reaction of pure terephthalic acid and monoethylene glycol. They are manufactured for textile applications and are supplied to the yarn-manufacturers in semi dull and super-bright versions. They are oval in shape and come in 2.4 mm, 2.2 mm, and 3.4 mm sizes.

Application: Yarn production for textile enduse.



TAÇ POLYESTER POY

TAÇ polyester POY is a partially-oriented yarn from which a wide variety of effects etc can be achieved by putting it through texturizing, air-texturizing, and two-stage flat yarn production processes. Dope-dyed versions are also available.

Counts: 28-389 dtex; 24-999 filaments

Application: Textured (Draw and / or Air Jet) yarns production.



TAÇ POLYESTER TEXTURED YARNS

TAÇ texturized polyester yarns and partially-oriented yarns that have been specially treated to create various texturized effects such as false twists, crimps, etc that mimic the appearance of natural-fiber yarns. A variety of dope-dyed color options are also available.

Counts: 28-1333 dtex; 24-999 filaments

Application: Different types of TAÇ PES Textured yarns are suitable for using all final processes; weaving, circular knitting, raschel knitting, velvet, narrow weaving etc.



TAÇ POLYESTER FANCY YARNS

TAÇ polyester fancy yarns are made in a variety of production processes to create virtually whatever effect a customer may need or want.

These yarns can be supplied in ecru, colored, and sparkling varieties and are also available as Lezzeni, crepe, and KDK.

Counts: 56-2667 dtex; 36-1071 filaments

Application: TAÇ PES Fancy yarns are suitable for weaving, knitting etc.



TAÇ ELASTHANE COVERING YARNS

TAÇ Elastane Covered polyester yarns are available in various weights and filament counts. The elastane covering can be provided in both twisted and intermingled form with between 200 and 1,000 twists/meter.

Color options are ecru and black

Counts for intermingled elastane covered:
78-822 dtex; 37-145 filaments

Counts for twisted elastane covered:
106-489 dtex; 37-289 filaments

Application: Because of its stretching property, it is generally preferable to apparel..These yarns are suitable for using on weaving, knitting machines.



TAÇ POLYESTER BOBBIN DYED

TAÇ bobbin dyed polyester yarns are produced by bobbin dyeing yarns with the features that a customer wants.



TAÇ POLYESTER FDY

TAÇ polyester FDY is fully-drawn polyester yarn that is ready for use in virtually every textile-manufacturing operation. More than 200 dope-dyed color options are available in a wide range of (45-900) denier and filament counts (3-432). FDY production is possible with high-speed.

These yarns have also high and low shrinkage version in addition to standart type. They are available in ecru and dope-dyed options.

Counts: 50-1000 dtex; 3-432 filaments

Application: TAÇ PES FDY are suitable for weaving, knitting, fancy yarn productions, velvet etc.



TAÇ POLYESTER TWISTED YARNS

TAÇ twisted polyester yarns are supplied in various denier / filament ranges, texturized and FDY yarns in the 80 -2.000 TPM range. Products may be S - and / or Z - twisted depending on feasibility.

Application: TAÇ PES Twisted Yarns are used on weaving, knitting, fancy yarn productions etc.



TAÇ POLYESTER AIR JET TEXTURED YARNS (ATY)

ATY Yarn produced by overfeeding the yarns to air turbulence which is already drawn and pre-oriented. Ecru and colored options are available. These yarns can also be manufactured as blends are with special effects added.

Counts: 183-2889 dtex; 96-576 filaments

Application: TAÇ PES ATY yarns are suitable for weaving, circular knitting, carpet weaving etc.



TAÇ POLYESTER MONOFILAMENT

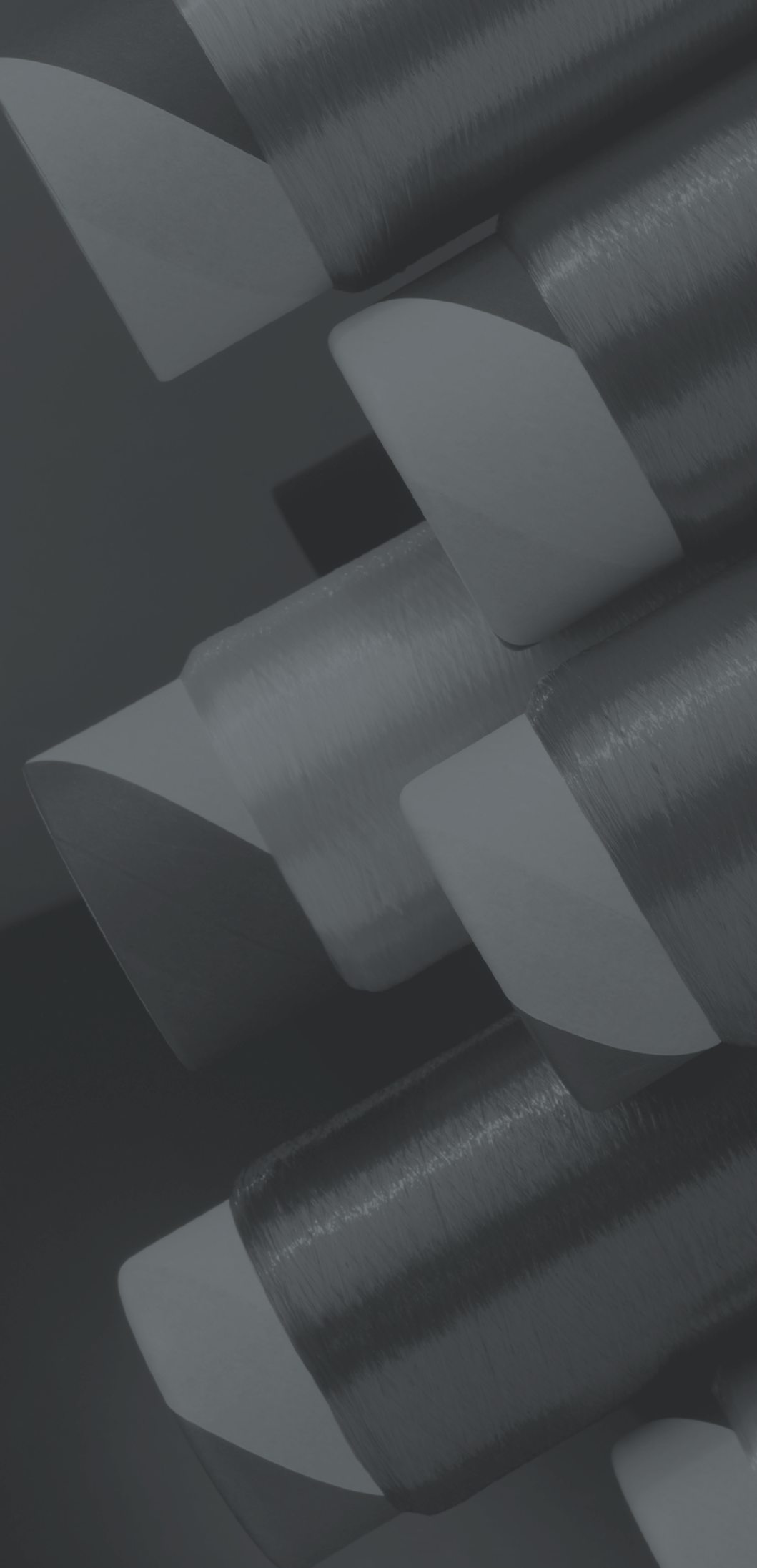
For the first time in the world they are being made in our plants directly from melt in a fully-integrated production process. In addition to their raw form, these yarns can also be supplied splittable form as well as in final winding form after having undergone dyeing, fixing, and washing.

Counts: 22-33 dtex; 1 filaments

Application: TAÇ PES Monofilament yarns are suitable for using on weaving, knitting for apparel and home textiles.

*Mother yarn productions which are raw material for splittable form, are included this title.

Counts: 222-400 dtex; 10-12 filaments





FUNCTIONAL YARNS



TAÇ UV RESISTANT

Dope-dyed TAÇ UV RESISTANT polyester yarns are specially developed to have excellent light fastness properties that make them ideal for fabrics that are to be used outdoors for such applications as awnings, tarpaulins, and garden furniture.

A serious problem with polyester yarns and fabrics that are used in outdoor applications such as those above is that they are seriously degraded by UV (ultraviolet) light, which impairs their structure and weakens them and causes their colors to fade. Because TAÇ UV RESISTANT polyester yarns are specially manufactured to retard such degradation and fading, outdoor-use products made with them last longer.

TAÇ UV RESISTANT polyester yarns are available in FDY, texturized, and air-texturized varieties. They can be manufactured in any of fifteen dope-dyed options as well as ecru.

Counts: 167-611 dtex; 48-192 filaments

Application: These yarns are suitable for using on weaving machines. It is preferable to outdoor textiles.



TAÇ CLEAN GUARD

Developed by KORTEKS, TAÇ CLEAN GUARD yarns are high-tech polyester yarns that provide a broad-spectrum and long-lasting effect in the fabrics. TAÇ CLEAN GUARD is a yarn treated with a silver-based biocidal material for protection against bacterial deterioration. Since the silver additive is given during the melt spinning process, the yarn has permanent functionality in environmentally friendly production and use. As their active agency is not applied during the fabric finishing stage but is rather incorporated into the yarn manufacturing process, its effectiveness is much higher and more enduring. This means that it is not readily affected by either laundering or wear.

The use of sulfur-containing substances during the finishing processes of TAÇ CLEAN GUARD yarn and fabrics will reduce the effectiveness of the product.

TAÇ CLEAN GUARD yarns can be used in all kinds of textile application areas. Some of them are listed below:

- Casual wear
- Sports wear
- Medical products
- Work wear
- Home textiles

TAÇ CLEAN GUARD meets the ISO 20743:2013 standard with Esherichia Coli (ATCC 25922 Gram (-)) and Staphylococcus Aureus (ATCC 6538 Gram (+)) bacteria.

DRY TOUCH® feature can also be added to TAÇ CLEAN GUARD yarn. Fabrics produced in this way also gain fast wicking, breathable, thermal insulation, comfort and control properties.

Counts: 76-167 dtex; 24-144 filaments

Application: This yarn may be used in the weaving, knitting of fabrics for sportswear, toweling, uniforms, workwear, home textiles, technical textiles, topwear, underwear and almost any application for which textiles are suitable.



TAÇ FLAME RETARDANT

TAÇ FLAME RETARDANT yarns impart a strong degree of flame retardation to the textile products into which they are produced. Unlike fabrics made from normal polyester and other fibers, those made from flame-retardant yarns prevent the spread of fire by inhibiting, suppressing, or delaying the production of flames.

The flame-retardancy of TAÇ FLAME RETARDANT yarns arises from the inclusion of comonomer polyester in the molecular structure during the polymerization process. For this reason, fabrics from these yarns do not lose their flame-retardancy even after much laundering and wear. These fabrics do not need to be subjected to a separate flame-retardation treatment after manufacture, such as during finishing. Compared with such fabrics, those made from TAÇ FLAME RETARDANT yarns are safer and provide much better protection for a much longer time because they do are not greatly affected by wear or laundering. Different varieties of TAÇ FLAME RETARDANT yarns are available for use in the manufacture of fabrics such as voile, blackout, satin, organza curtains, upholstery, and mattress ticking.

Both increased market demand for protective and functional textile products and laws and regulations concerning the safety of textile products have made flame-retardancy an important issue. The steadily greater demand for flame-retardant textiles is also being driven as much by regulations stipulating their use in public venues and spaces as it is by the their use in private dwellings.

Independently-conducted tests have repeatedly shown that TAÇ FLAME RETARDANT yarns successfully outperform normal and comparable products in such applications. Verification of flame-retardancy is provided in the certification documents that accompany TAÇ FLAME RETARDANT yarns. Finished products that have been awarded such certification are satin- and voile-like fabrics made from 100% TAÇ FLAME RETARDANT ecru yarns that were subjected to dyeing and finishing after being woven. TAÇ FLAME RETARDANT non-flammability testing complies the following standards:

U.S.A,

- NFPA 701: This standard establishes test methods to assess the propagation of flame of various textiles and films under specified fire test conditions.

U.K,

- BS 5867 Part 2 (1993) Type B: British standard applicable to flame-retardant window curtains, blinds and drapes.
- BS 5852: 1979 Part 1: British standard applicable to the match and cigarette-testing of flame-retardancy in upholstery fabrics.

France,

- NF P 92-503, NF P 92-504, NF P 92-505 standard tests for M1 certification.

Counts: 76-167 dtex; 24-144 filaments

Application: This yarn may be used in the weaving, knitting of fabrics for wear, home textiles, upholstery.

TAÇ ANTISTATIC

In today's complexly technological world, static electricity can be a serious problem in both everyday life and work environments with effects that range from damaged electronic components and production line stoppages on the one hand to fires and even explosions on the other. TAÇ ANTISTATIC yarns are designed and manufactured to prevent the generation of friction-caused static electricity that is commonly witnessed in fabrics made from ordinary polyester yarns. As an additional benefit they also prevent the fabrics from attracting dust and lint and, when used in garments, keep them from adhering to the wearer's skin. TAÇ ANTISTATIC yarns are spun from a mixture of carbon bicomponent and all-polyester yarns whose composite structure ensures that their antistatic properties are consistent throughout their length and breadth and therefore achieve excellent conductivity.

Counts: 61-189 dtex; 27-147 filaments

Application: TAÇ ANTISTATIC yarns are especially suitable for work clothes, uniforms, garments, and apparel such as stockings and gloves that are to be worn or used in settings where static electricity poses inconveniences or risks such as clean rooms laboratories, paint shops, gas stations, and petroleum refineries and wherever pharmaceutical, medical equipment, electronic component, carpet, and other manufacturing processes and operations are being carried out.





TAÇ COTTON-LIKE

Specially developed by Korteks, TAÇ COTTON-LIKE yarns are high-tech yarns that are the result of texturizing 100% micro and super-micro polyester POY. TAÇ COTTON-LIKE yarns are high-filament yarns whose features resemble natural fibers. Although the yarns are manufactured using continuous filament technology, fabrics woven from them are as soft to the touch as those made from staple fibers.

Better than cotton

While they may resemble fabrics made from natural fibers in many respects, those made from TAÇ COTTON-LIKE yarns are much less likely to wrinkle or shrink than cotton fabrics are and they are also much more durable. When woven into cloth, TAÇ COTTON-LIKE yarns feel just as soft and “cottony” as the real thing. Tests of these fabrics show that they perform at least as well as 100% cotton fabrics in terms of wrinkling and dimensional change and that they outperform them in terms of horizontal shrinkage. They significantly outperform all-cotton fabrics in withstanding repeated launderings. Besides having superior perspiration fastness and stain-resistance properties, fabrics made from TAÇ COTTON-LIKE yarns absorb water faster and are more “breathable”. With twice the burst strength of 100% cotton fabrics, they are also more advantageous. Fabrics made from TAÇ COTTON-LIKE yarns are also more resistant to pilling both before and after being washed.

Counts: 83-333 dtex; 96-999 filament

Application: This yarn may be used in the weft and circular knitting processes. Its strong intermingled form is suitable for warping process.

It is preferred warp knitting pile fabric, made for active sporty fleece garments. Thanks to its cotton like structure, it can be used alone or combine with naturel fibres for woven apparels and furnishing textiles (bed linen, towels, bathrobe)





TAÇ CATIONIC

The dyeing properties of polyester that has undergone cationic polymerization are superior to those of disperse-dyed normal polyester. Fabrics woven from cationically-dyed yarns are much more color-fast and this is especially important in the case of rich, dark colors.

Upon request, yarns may be manufactured to order containing a desired mixture of cationic and standard dispersed-dyed polyesters. Fabrics manufactured from such mixtures will have a blended appearance arising from their particular different dyeing characteristics. Cationic yarns may be made in both texturized and FDY versions.

Counts: 83-167 dtex; 36-144 filaments

Application: They are especially good for use in everyday topwear, sportswear, upholstery fabrics, home textiles and such as drapes. Because of their superior color-fastness, they are the preferred choice for swimwear.



THICK&THIN

THICK&THIN is a textured yarn made from POY that is manufactured so as to have unique features that significantly alter its dyeability causing some parts of the yarn to hold onto more or less dye than others.

Fabrics made from these yarns have a pleasing mottled effect that makes them very attractive for use in garments.

Counts: 167-333 dtex; 96-192 filaments

Application: This yarn may be used in the weaving and circular knitting processes.



ITZ

ITZ yarns that are texturized and has high shrinkage property. It is suitable for both knitted and woven fabrics, the surfaces of which can be enriched by abrasion or raising to produce a suede-like effect.

In addition to having soft-touch surfaces, such fabrics can also be produced so as to be suitable for cationic dyeing.

Counts: 83-500 dtex; 48-624 filaments

Application: It is suitable for weaving and circular knitting processes. It's ideal for producing soft touch top wear fabrics.



TIGHT SPOT

TIGHT SPOT yarns give the fabrics into which they are woven a slightly raised-relief or sandy appearance owing to the regular surging effects imparted to them during manufacture.

Ecrú, dope-dyed, and blended versions of these yarns are available.

They are widely used to make both garments and home textiles.

Counts: 39-378 dtex; 24-192 filaments

Application: Due to its wide thickness range, preferred on apparel and home textile and suitable for weaving and circular knitting processes.



SLUP - LIKE

The yarn has slubs (thick spots) that are created during the texturizing process.

Both regular and irregular dispersion of the slubs is possible to achieve different surface-texture effects and patterns in fabrics.

Counts: 144-194 dtex; 48-84 filaments

Application: Due to its wide thickness range, preferred on apparel and home textile and suitable for weaving and circular knitting processes.





LINEN - LIKE

The linen-like structure of LINEN-LIKE yarns imparts a linen-like feel to fabrics that are woven from linen. It can be produced as dope dyed a long with raw White.

Counts: 189-644 dtex; 96-168 filaments

Application: It is suitable for weaving and circular knitting processes.



MILPA - LIKE

MILPA-LIKE yarns can be woven into fabrics whose textures have a natural, wool-like feel. In addition to an ecru version suitable for disperse-dyeing, dope-dyeable blends and cationic composites are also available.

Counts: 278-556 dtex; 144-288 filaments

Application: It is suitable for warping and circular knitting processes. It may be used for apparel, upholstery fabrics. It is ideal for natural appearance.



ITY

ITY yarns are manufactured from layers that have different shrinkability values.

Fabrics made from these yarns can be given a peach-like look and feel through a special finishing process that does not required abrasion.

This makes them more suitable for use in weft processes. Reduced-twist ITY can also be manufactured for use as warp yarns upon request.

Counts: 150 dtex; 132 filaments

Application: It is suitable for warp process. It may be used for warping with low twisting process. It allows the production of curtain and garment fabrics.



FDZ

FDZ is a type of flat yarn with a high degree of stretchability that resists shrinkage.

It is especially useful in manufacturing processes where yarns are subjected to considerable force as in raschel (warp) knitting.

Counts: 67-450 dtex; 24-144 filaments

Application: It can be preferred on raschel knitting for production of tulle, flag, net fabrics.



FANCY EFFECT FDY

Fabrics produced from these yarns take on a spun like, non-homogeneous surface appearance when subjected to heat after being made.

They are also very inclined to shrinkage. Due to the physical properties, for use in combination with polyester, cotton and other staple fiber yarns creates a natural effect on the fabric. Also it has sparkling version.

Counts: 83-335 dtex; 24-144 filaments

Application: Mostly preferred on circular knitting process for production of woman garment fabrics.



TWO TONE

This yarn is made from specially-made texturized POY. When fabrics woven from it are dyed, the result is a surface that is characterized by tonal graduations. Upon request the same process can be used in the manufacture of fine-denier yarns.

Counts: 335 dtex; 192 filaments

Application: It is widely used on production of upholstery and curtain fabrics.



CARPET YARNS

KORTEKS manufactures polyester yarns for use in carpets that are excellent alternatives to or may be combined with the acrylic, polypropylene, and bulk continuous filament (BCF) yarns normally used in carpet-making. In addition to ecru, dope-dyed and bobbin dyed versions are also available on request. The yarns may be made in single color or as a blend of several.

Our carpet yarns are suitable for use both in the foundation and in the creation of patterns. When used as a pile yarn together with acrylics, post-weaving heat treatment can be used to create embossed surface effects and patterns since the polyester yarns will not be affected the same way that the acrylics are.

In shaggy carpeting, twisted and fixed colored polyester carpet yarns may be used together with polypropylene and BCF yarns. In such cases, the polypropylene will retain all of its volume while the colored polyester yarns will retain all of their luster and durability.

Counts: 711-2833 dtex; 192-960 filaments



SPARKLING YARN

SPARKLING YARNS have a brilliance and sparkle similar to that of metallic thread. Intended to be a substitute for such thread, SPARKLING YARN offer many advantages that make them superior in some ways.

Although traditional metallic threads are initially brighter and create a more impressive visual impact at first, they lose those qualities the more they are used and laundered. SPARKLING YARNS by contrast remain the same forever.

Moreover traditional metallic threads have low heat-resistance and, when used with polyester yarns, they create problems in the dyeing and fixing processes. When woven into fabrics, the threads are apt to catch and snag, which makes them garments made from them uncomfortable to wear.

SPARKLING YARN suffer from none of these problems. They are available in ecru and dope-dyed varieties.

Counts: 83-335 dtex; 6-192 filaments

Application: Low filament SPARKLING YARNS are used weft process to woven home textiles group.

High filament SPARKLING YARNS are warping process of pile of velvet.

It can be used velsoft knitted, woven velvet towels, plush fabric, imitation fur production. In this sense, it is suitable liner fabric for jackets, coats.







**DRY TOUCH[®]
TECHNOLOGY**



A patented performance fabric brand, DRY TOUCH® fabric's unique features arise from their yarns. DRY TOUCH® is the brand name of a fabric and not that of a yarn. The right to make DRY TOUCH® fabrics belongs exclusively to Zorlu Holding, which has licensed a limited number of other manufacturers to use the process. To ensure quality consistency, Korteks checks the features of DRY TOUCH® fabrics at each stage of their production. Finished fabrics are documented and certified, which ensures fabrics will be made to exactly the same specifications the next time an order for them is placed. DRY TOUCH® products are uniquely labelled in order to prevent them from being replicated or counterfeited. Every stage of DRY TOUCH® fabric and product manufacture from initial yarns to final goods (including even their placement on store racks) is subject to strict oversight in order to be assured of end-user satisfaction.

DRY TOUCH® fabrics are made from high-tech functional channel cross-sectioned fibers that are made at Korteks's own yarn factory using a patented technology. The combination of advanced technology with functionality results in the creation of high-performance DRY TOUCH® fabrics that simultaneously look natural, feel softer, and have better draping features.

Advanced moisture management:

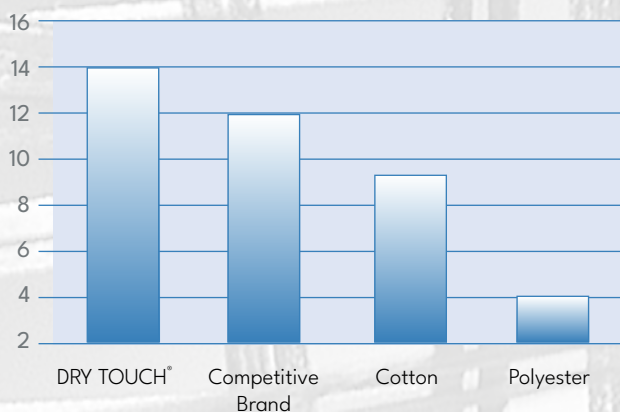
The patented channel cross-sectioned fibers used in DRY TOUCH® fabrics allow them to “breathe” naturally by letting air in and moisture out. Tests have shown that DRY TOUCH® fabrics absorb moisture ten times faster than do ordinary cotton fabrics. In tests in which DRY TOUCH® fabrics are submerged vertically into water, they absorb far more water than cotton fabrics are capable of.

DRY TOUCH® performance fabrics

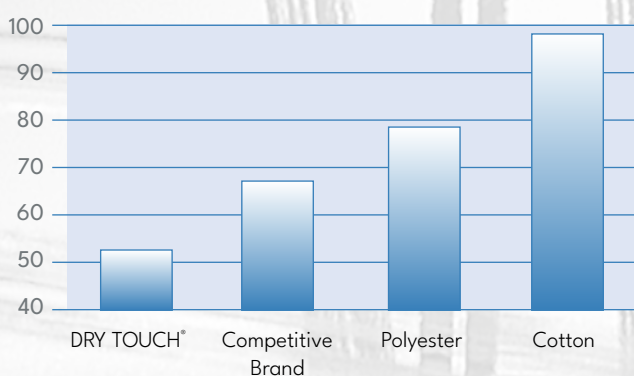
are suitable for use in a wide range of applications and garments such as sportswear, underwear, denimwear, work clothes, and ready-to-wear garments.

Thanks to Zorlu Holding's quality approach, dynamic structural support, and competitive pricing, DRY TOUCH® is by far the unchallenged leader of its market.

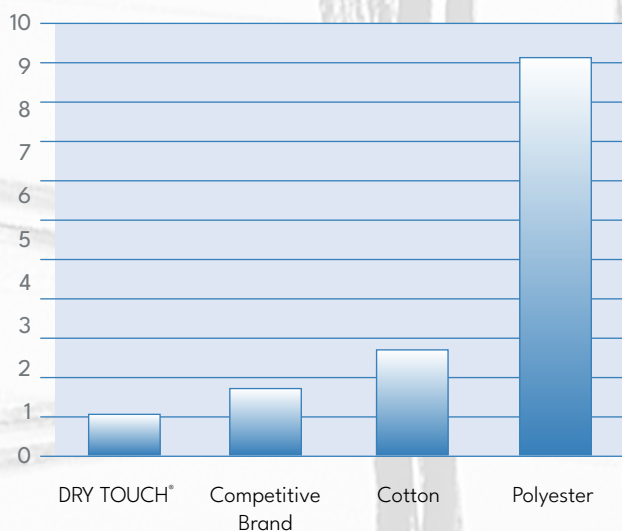
Vertical Wicking Test (cm) (Water wicking after 10 minutes)



Drying Time Test (Minutes)



Absorbency Test (Seconds)







AUTOMOTIVE PROJECTS



KORTEKS works closely with automotive manufacturers in order to provide flexible and reliable service at every stage of automotive fabrics from initial design to mass production.

KORTEKS-made automotive yarns are extensively used both in Turkey and abroad to make automotive fabrics for use in Mercedes, Audi, BMW, Volkswagen, Toyota, Ford, Renault, Peugeot, Volvo, Fiat and other OEM vehicles.

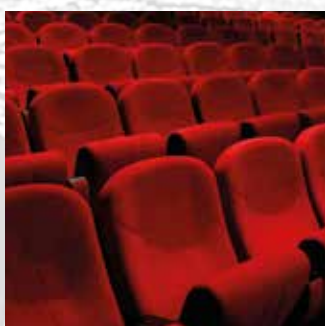
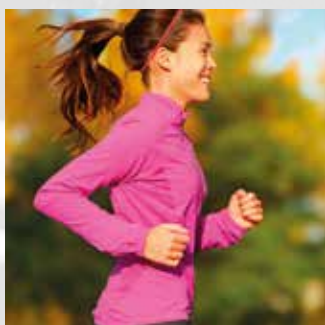
Consistent quality from initial design to final product...

In the conduct of every automotive industry project, KORTEKS adheres to a process-management approach that begins with the development of yarns, all aspects of which are thoroughly tested and analyzed in color laboratories before undergoing trial-manufacturing.

KORTEKS labs are staffed by experienced personal and are fitted out with the most advanced and precise testing equipment currently available in order to ensure that quality control is carried out at internationally-accepted standards.

In order to ensure the uninterrupted progress and continuity of projects, the critical control points of every stage of production from polycondensation and spinning (POY, Micro POY, FDY) to texturizing, air texturizing and twisting are managed according to control plans specially developed for automotive industry programs under an ISO 9001:2015 Quality Management System. We also hold IATF 16949:2016. This ensures that the absolute quality consistency that is demanded for automotive projects is actually achieved.





• RIBBON • LABEL • BAG • TIE
• VEST • BOWTIE • AWNING
• CAR CASE • SOCKS
• CORSET • FLEECE • JACKET
• LACE • OUTDOOR • WEAR
• UNDERWEAR • NARROW WEAVING
• SPORT WEAR • SHOELACE
• UMBRELLA • TOWEL • UPHOLSTERY
• TABLE CLOTH • WEDDING
DRESS • FLAG • GUIPURE
• FILTRATION FABRICS • SEWING
THREAD • CINEMA CHAIRS
• BIGBAG • AUTOMOTIVE
TEXTILES • CURTAINS AND
ACCESSORIES • ALEZE • WADDING
• FILLING • UNDERCOAT • CARPET
• ZIPPER • MATTRESS • BLANKET
• BED SHEETS • GLOVES • MEDICAL
BANDAGES • CHENILLE YARN
• ARTIFICIAL SUEDE FABRICS • SCARF
• SPORT SHOES • MILITARY
ACTIVE WEAR • NETTING

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