Functional Active & Sportswear Fabrics
Tepar Textile is one of leading producers of multi-filament polyester and nylon textured yarns and related raw materials. We provide innovative, global textile solutions and unique branded yarns and Active Sportswear Fabric for customers at every level of the supply chain.

Tepar Capabilities & Services

Our manufacturing processes turn raw materials and fiber into synthetic filament yarns. These yarns are then sold and further processed into fabrics. Outside of our wide range of manufacturing capabilities, we provide many value added services to our customers including onsite technical service.

POY

The first step in producing synthetic yarn begins with the raw material known as POY (partially-oriented yarn). POY is made from small polymer beads that are melted and extruded through microscopic holes to form a single fiber filament. In addition to producing natural POY, Tepar also has the ability to produce solution dyed polyester for use in color rich fabrics.

False Twist Texturing & Air Jet Texturing

We draw heat and twist the continuous filament yarn to optimize various physical characteristics like bulk, strength, stretch and dye ability. Our advanced air-jet texturing capabilities and innovative texturing methods allow us to produce finished synthetics that look and feel like natural yarns, or provide products with unique and superior performance characteristics.

Package Dyeing

Using the most advanced color-matching applications, we’re able to match exact color specifications for even the most color-critical markets, such as home furnishings, automotive and specialized apparel. We dye many substrates including textured and spun polyester, rayon, cotton, acrylic, nylon and various blends of these fibers.

Air Covering

By wrapping or air-entangling filament or spun yarns around a core yarn, we can significantly enhance a fabric's ability to stretch, recover its original shape and resist wrinkles. We use air covering,

Twisting

We combine filaments into yarn by twisting them together for applications such as sewing thread, home furnishings and apparel.
Active & Sports wear Fabric

Tepar works with you, whether you want the quick-drying comfort, strength and style, or softness and warmth of our innovative fabrics.

Performance

Tepar’s VELOX® SPORT fabric is specifically designed to support athletes and active people in their sporting activities. It delivers a range of stretch and recovery power designed to help consumers move and perform at their best, while feeling comfortable.

Moisture Wicking

Sweating is one of the body’s natural mechanisms to stay cool. Tepar’s ALL–IN-ONE® fabric helps you stay dry and energized with its special technology engineered to wick moisture and enhance drying. You will feel comfortable not only during the day, but also through your toughest workouts.

Breathability

TEPAR’s ALL-IN-ONE® AIRCLO® KARADENIZ® AKDENIZ® EGE® MARATON® fabric helps you stay cool, dry and fresh in your active wear, all day long. It provides you with long-lasting freshness and confidence.

Stability

TEPAR’s POLYESTER AJT® fabric offers athletes the feel of cotton with the benefits of advanced fiber technology. Active wear made with AJT® fabric is breathable, holds its shape, dries faster than cotton and retains its color.

Durability

Whether you’re mountain biking or skiing down a double-diamond run, TEPARS’s DURAFIL® and DURAFIL XL® fabric is along for the ride. Stylish and durable, you will find DURAFIL® and DURAFIL XL® fabric in pants, parkas, jackets and shirting. From lightweight fabrics for summer outdoor activities to heavier fabrics for winter—DURAFIL® fabric has your back all year long.
Active & Sportswear Fabrics

In twenty first century, clothing is an important issue for general consumer, active athletes and for those who practice sports just for fitness in their leisure time. The sports fabrics are generally ultra-breathable and have high heat and moisture management properties, light weight, fast drying properties and feature elasticity properties. These fabrics also have superior strength and durability. The latest sports textile materials are much more function for fulfilling specific needs in different sports activities. The sports mean:

- Winter sports
- Summer sports
- Outdoor games
- Indoor games
- Football
- Cricket
- Climbing
- Cycling
- Flying and sailing sports
- Athletics
- Other sports
CIRCULAR KNITTING DEPARTMENT
PROPERTIES & FUNCTIONS REQUIRED FOR SPORTSWEAR

Many different aspects have to be considered when designing clothing for a particular sport

1. The protection/safety functions to protect wearers from adverse weather (wind, rain and snow, etc).

2. The comfort function which gives wear comfort (thermo-physiological comfort, skin sensorial comfort, body movement comfort) to wearers

3. The exercise function to assist positively improvement of athletic records and attainment of one’s target,

4. Aesthetic appeal and high fashion ability

In order to meet such requirements, waterproof/moisture permeable fabrics, perspiration absorbing/ fast drying fabrics, warmth retentive fabrics, stretchable fabrics, etc. have been developed.
FUNCTIONS OF SPORT TEXTILES

Heat transport performances

The sport fabrics require maintaining body temperature during various sports activities. The heat transport properties of fabric make possible to feel the sportsman cooler in summer and warmer in winter. The fibrous material, bulk entrapped air within the fabric affects the heat transport properties of the sportswear.

Moisture transport performance

By changing the cross sections of the fibre and by using special chemicals; fabrics are made which have high moisture transport properties. Such fabric keeps the body dry by keeping moisture away from body surface in vaperer and/or liquid form.

Anti-static performances

Sportswear fabrics have a very high electrical conductivity, so they can dissipate electrical charge.

Antimicrobial performances

Keeping a normal level of bacteria on the skin offers a high level of comfort and personal hygiene, especially during athletic activities.

Ultraviolet protection

Sports fabrics can remove UV-A and UV-B rays that are dangerous to the skin, and guarantees an improved level of defense compared to the majority general
DESIGNED FOR FREEDOM

Active wear manufacturers and consumers alike appreciate the comfort stretch of Velox™ PBT as it provides freedom of movement, making outdoor activities more enjoyable. Comfort stretch Fabric with Velox™ PBT is the best Solution.
DESIGNED FOR PERFORMANCE

Active and sportswear manufacturers and consumers alike appreciate the performance of DISCAT™ as it provides high performance of movement, making outdoor activities more enjoyable. High Performance Fabric with DISCAT™ is the best solution.
WARP KNITTING DEPARTMENT
Composition: 100% Polyester Weight: 180 g/m²
Made of 100% polyester and therefore absolutely chlorine-proof, it always ensures a perfect fit and unmatched techno-performance. It is UV protective (UPF 50+), breathable and fast drying. DISCAT By Tepar is perfect for the creation of competition sportswear and for all other sports, even the most extreme ones.
DESIGNED FOR PERFORMANCE

The hollow micro-filaments which make up this bi-elastic, anti-bacterial, brushed techno-fabric ensure unprecedented thermal insulation: moisture wicking and breathable are therefore the most suitable adjectives to describe this fabric which is ideal for extreme sport performance.
K-Cool fabrics deliver three distinct functions:
Wicking: To move sweat away from your body.
Moisture Transportation: To avoid saturation and accelerate drying.
Regulated Evaporation: For cooling effect.
Functional Finishing

- Negative Ion Generation
- Temperature Control Finishing
  - Heat Retention
  - Cooling Finishes
  - Thermoregulations
- Water Repellent
- Antibacterial
- Nano Sphere (Anti-stains)
- Flame Retardant
- UV Cut
CONTACT

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