TOPOT

TOPOT TEXTILES

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Suzhou Topot Textiles Technology Co., Ltd.
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Newly Development Textiles Fibers Leader

TOPOT

Suzhou Topot Textiles Technology Co., Ltd.

ABOUT TOPOT

COMPANY CULTURE

Green Recycle
Low Carbon
Environmental Protection
Colorful Functions

TEST & CERTIFICATE

Suzhou Topot Textiles Technology Co., Ltd is an international integrated service company integrating manufacture industry and trading. Our office is located in Suzhou City, Jiangsu Province, bordering Shanghai City in the south and Wuxi City in the north. The company mainly produce and sell all kinds of textiles, including polyester staple fibers such as solid, hollow, cotton, medium length, wool, tow, etc.; Colors include black, white, color, etc. used in many textile and apparel fields, such as: textile yarn, clothing fabric, automotive interior, needle punched nonwovens, infrastructure geo textiles, home textile filling, etc.

In addition to polyester products, our company also serves the sales of other types of staple fiber, such as polypropylene staple fiber, Tencel modal staple fiber, viscose bamboo fiber, polylactic acid corn fiber, up to now, our own product types have reached nearly 80 kinds, nearly 300 specifications, and we have nearly 600 color varieties in color staple fiber for customers to choose from;

The company includes four self-owned production manufacturing plants, with dozens of production lines and a total area of nearly 60,000 square meters; The company has passed ISO quality, environmental protection, occupational health and safety production standardization management system certification, and has passed GRS, OEKO, SGS and other product certifications. Since its establishment, the factory has continuously carried out technology and product development and innovation; Now the company has 80 management personnel, 500 production line workers, 20 quality inspection personnel, 5 product laboratory personnel, and 20 business sales personnel.

With the growing trend of international import and export market, our export market covers the global market network, Asia, the Middle East, South America, Europe, Australia and other more than 100 countries; The main export countries in Asia are Vietnam, Indonesia, Bangladesh, Thailand, South Korea, Japan, etc.; South American countries such as Colombia, Mexico, Peru, Chile, etc.;

Warmly welcome all customers in the textile industry at local and abroad to visit our company, Toppot will provide the most sincere service for all customer groups.

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FACTORY OVERVIEW

GRS Regenrated & Environment Friendly Polyester Staple Fiber

Introduction

GRS polyester recycled fiber refers to the recycling of waste textiles, bottles and other waste, after treatment and processing to produce new polyester fibers. This regeneration process can not only save resources, reduce environmental pollution, but also reduce manufacturing costs and improve market competitiveness.

Application

- Textiles spinning yarns/ Fabrics
- Nownovens products
- Auto-motive Interior and Carpets
- Homes Textils Pillows/Mattress/Sofas

Specification table

Fiber Denier	0.8D—35D
Cut Length	25/32/38/51/64/76/88/102MM
Technical Advantages	1) GRS/TC for Eco-Friednly trace.
	2) Good Tenaicty & Elongation.
	3) Low Defects.
	4) Suitable Oil Content & Crimp.

TOPOT

OBP Marine Recycled Polyester Staple Fiber

Introduction

OBP Fiber means raw materials Marine plastic waste that has not been properly managed and is discarded in the environment, it will be transported to the ocean by rain, wind, tides, rivers, floods. Plastic wrapped in the sea originates on land and does not include voluntary or involuntary litter caused by Marine activities.

Application

- Textiles spinning yarns/ Fabrics
- Nownovens products
- Auto-motive Interior and Carpets
- Homes Textils Pillows/Mattress/Sofas

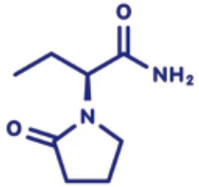
Specification table

Fiber Denier	0.8D—35D
Cut Length	25/32/38/51/64/76/88/102MM
Technical Advantages	1) Good Tenaicty & Elongation.
	2) Low Defects.
	3) Suitable Oil Content & Crimp.

BPA Free Polyester Staple Fiber-SPINNING/ NONWOVENS

Introduction

BPA Free means that A product or material does not contain BPA. By labeling "BPA Free, "businesses send a signal to consumers that the product is safe, giving consumers more peace of mind when purchasing.



Application

- Textiles spinning yarns/ Fabrics
- Nownovens products
- Auto-motive Interior and Carpets
- Homes Textils Pillows/Mattress/Sofas

Specification table

Fiber Denier	0.8D—35D
Cut Length	25/32/38/51/64/76/88/102MM
Technical Advantages	1) Good Tenaicty & Elongation.
	2) Low Defects.
	3) Suitable Oil Content & Crimp.

Hollow Conjugtaed Polyester Staple Fiber

Introduction

(1) The raw materials are different
The three-dimensional raw material needs to have a high viscosity, above 0.72, mainly for the elasticity of the finished product. The raw material is made of large gloss on silicone oil smoothness is better (bottle flakes made of cola bottles belong to large light). When spinning, about 20% of the foam can be appropriately added, but the viscosity of the foam cannot be lower than 0.65;
(2) The process is different
The hollow of the spinnerets is with holes in the holes, and the finished product will be more foamed and lighter. The ring blowing link of the equipment should reach 3 m/s, and the ordinary two-dimensional is 1.2 m/s. The fiber draft shrinks by its own characteristics, and the upper and lower wheels of the crimping machine are spaced wider, reaching 3 cm.
(3) First cut off and then enter the oven, and finally in order for the fiber to achieve elasticity and spiral, so that the elasticity is better, the oven setting temperature is between 160 ° -170 ° (our ordinary two-dimensional is basically no oven, when the tide is high slightly open about 30 °)

Application

- Home Pillows
- Sofa/Mattress
- Down Jackets/ Padding/Quilting

Specification table

Fiber Denier	0.8D/0.9D/1.2D/2D
Cut Length	25/32/51/64MM
Technical Advantages	1) High Crimp.
	2) Low Defects.
	3) Good Oil Content

Micro & Down Like Polyester Staple Fiber

Introduction

Down like fiber is the appearance of down imitation after opening which price is much cheaper than natural down fiber.

The main components of down like polyester fibers of different sizes, hollow fibers and low melting point fibers. According to the weight percentage, they are 50%-55% : 25%-30% : 15%-25%.

The product proportion is scientific and reasonable, can be widely used in down jacket, ski shirt, duvet, sleeping bag and other warm products.

Application

- Home Pillows
- Sofa/Mattress
- Down Jackets/Padding/Quilting

Specification table

Fiber Denier	0.8D/0.9D/1.2D/2D
Cut Length	25/32/51/64MM
Technical Advantages	1) High Crimp.
	2) Low Defects.
	3) Good Oil Content

Bi-Component Low Melt Polyester Staple Fiber

Introduction

Low melting polyester fiber is a kind of random copolymerized modified polyester with low melting point, which is a kind of raw material for the production of thermal bonding fiber.

Before processing, the low melting point fiber and the main fiber are fully mixed in a certain proportion. After opening, carding and other processes, spread into a certain thickness of the fiber network.

During processing, at a temperature lower than the melting point of the main fiber, the low-melting point fiber is partially melted at the intersection point for uniform and effective melting bonding, so that the main fiber is bonded to each other, while the main fiber remains intact and is bonded to each other under the action of the low-melting point fiber.

Application

- Padding/Quilting
- Shoes
- Auto-Motive Interior
- Felt

Specification table

Fiber Denier	2D/4D
Cut Length	38/51MM
Technical Advantages	1) Good heat Connection with PE/PET
	2) Good Crimp.
	3) Low Defects.
	4) Good Oil Content

Dope Dyed Polyester Staple Fiber

Introduction

Colored Polyester fiber refers to the method of incorporating appropriate pigments or dyes in the fiber production process to directly make colored fibers, also known as pre-spinning coloring.

After spinning forming, the colorant is evenly dispersed in the fiber. This process is a physical change, and its advantages are continuous coloring and spinning, uniform coloring, good color fastness, high dyeing rate, short production cycle, low cost and less pollution.

Application

- Textiles spinning yarns/ Fabrics
- Nownovens products
- Auto-motive Interior and Carpets
- Homes Textils Pillows/Mattress/Sofas

Specification table

Fiber Denier	0.8D—35D
Cut Length	25/32/38/51/64/76/88/102MM
Technical Advantages	1) Good Tenaicty & Elongation.
	2) Low Defects.
	3) Suitable Oil Content & Crimp.

Fire Retardant Polyester Staple Fiber

Introduction

Flame Retardant polyester staple fiber are similar to those of ordinary polyester. The main manufacturing methods are:
(1) copolymerized flame retardant modification, such as using tetrabromobisphenol A hydroxyethyl ether or phosphorous compounds as copolymers, and dimethyl terephthalate and ethylene glycol through transesterification and condensation polymerization to obtain copolymers. It is then prepared by melt spinning and drawing.
(2) blended flame retardant modification, adding phosphorus-containing compounds or halogen-antimony composite flame retardants to the spinning melt, and then through melt spinning, stretching; Or a composite spinning component is used to add flame retardants in the core layer, and the cortex is ordinary polyester. The fiber obtained by this method not only improves the flame retardancy and flame retardancy durability, but also reduces the influence on the fiber properties. Although the effect of blending flame retardant modification is not as good as that of copolymerization, the process is simple;
(3) flame-retardant finishing, the use of alene monomers containing phosphorus or halogens, surface polymerization or graft copolymerization on fibers or fabrics, or the use of nitrile treatment。

Application

- Textiles Interior Decoration
- Flight Suits, Tents, Parachutes, Ropes, Aircraft Shrouds
- Conveyor belts for oil refineries
- Auto-motive Interior and Carpets

Specification table

Fiber Denier	0.8D—35D
Cut Length	25/32/38/51/64/76/88/102MM
Technical Advantages	1) LOI>30%
	2) Low Defects.
	3) Suitable Fire Retardant Oil Content & Crimp.

Anti-Bacterial Polyester Staple Fiber

Introduction

Antimicrobial fiber for making fabric has a good safety, it can efficiently completely remove bacteria, fungi and mold on the fabric, keep the fabric clean, and can prevent bacteria from regenerating and multiplying. The antibacterial fabric injection is dyed inside polyester and nylon fibers at high temperatures, and the antibacterial fabric injection is fixed inside the fiber and protected by the fiber, so it has washable resistance and reliable broad-spectrum antibacterial effect. Its antibacterial principle is that it destroys the bacterial cell wall, because the intracellular osmotic pressure is 20-30 times that of the extracellular osmotic pressure, so the cell membrane breaks and the cytoplasm leaks out, which also terminates the microbial metabolic process, so that the microorganisms can not grow and reproduce.

Application

- Underwear
- Casual wear, bedding
- Towels, Socks

Specification table

Fiber Denier	0.8D—35D
Cut Length	25/32/38/51/64/76/88/102MM
Technical Advantages	1) GB/T20944.3-2008 Textiles-Evaluation for antibacterial activity-Part 3
	2) Low Defects.
	3) Suitable Fire Retardant Oil Content & Crimp.

Moisture & Wicking Polyester Staple Fiber

Introduction

Moisture Wicking fibers use the capillary phenomenon produced by the micro-grooves on the fiber surface to allow sweat to quickly migrate to the surface of the fabric and disperse through wicking, diffusion, transmission, etc. In addition, the contact points between the fiber and the skin are due to the cross-section design. And reduced, ensuring that the skin still maintains a superior dry feeling after sweating, thereby achieving the purpose of moisture conduction and quick drying. The capillary effect is the most commonly used and most intuitive method, which can express the sweat absorption and diffusion capabilities of fabrics.

Application

- Textiles spinning yarns/ Fabrics
- Nownovens products
- Auto-motive Interior and Carpets
- Garments

Specification table

Fiber Denier	0.8—35D
Cut Length	32/38/51/64/76/88/102MM
Technical Advantages	1) GRS/TC for Eco-Friednly trace.
	2) Good Tenaicty & Elongation.
	3) Low Defects.
	4) Excellent hygroscopicity and sweat-wicking properties

Cationic ECDP/PBT/PTT Polyester Staple Fiber

Introduction

Cationic dyeable modified polyester fiber is a polyester macromolecule that introduces sulfonic acid or phosphate groups with affinity for cationic dyes. It is divided into two types: high pressure type (CDP) and normal pressure type (ECDP).

The third monomer added to CDP fiber is sodium isophthalate sulfonate, and its dyeing temperature is about 120°C; in addition to the third monomer, ECDP fiber also adds a fourth monomer, the common ones are aliphatic or aromatic dicarboxylic acid monomers.

The dyeing temperature of acids and their derivatives, aliphatic or aromatic glycols and their derivatives, and acid compounds is 100C; ECDP fiber is also divided into two types: cool type and cool type. The heat resistance of the vinegar type is better than that of the ether type.

Application

- Textiles spinning yarns/ Fabrics
- Nownovens products
- Auto-motive Interior and Carpets
- Sweathers

Specification table

Fiber Denier	0.8D—35D
Cut Length	32/38/51/64/76/88/102MM
Technical Advantages	1) Anti fluff and pilling
	2) Dyeing at normal temperature. Color more brighter
	3) Soft hand feel like cashmere

Shinny Flat Polyester Staple Fiber

Introduction

Generally, the cross-section of polyester fiber is approximately circular, but in order to pursue special effects will be made into other shapes. There are mainly the following shapes: triangle, three-leaf, hollow, H Shaped, flat, cross, etc. Polyester fibers with these cross-sections are collectively called special-shaped fibers.

Flat fiber has the following characteristics: it combines the excellent properties of ordinary Vicat fiber and hemp fiber. The fabric is smooth, elastic and soft to the touch, rich in three-dimensionality, comfortable and pleasant; it also has the characteristics of fast moisture absorption and heat dissipation, and is easier to dye.

Application

- Textiles spinning yarns/ Fabrics
- Nownovens products

Specification table

Fiber Denier	0.8D—35D
Cut Length	32/38/51/64/76/88/102MM
Technical Advantages	1) Anti fluff and pilling
	2) Dyeing colors easy
	3) Slick hand feel

Polypropylene Staple Fiber

Introduction

Polypropylene has good physical properties, such as high strength, wear resistance, corrosion resistance, etc. It also has good chemical stability and high temperature resistance. Therefore, polypropylene is widely used in various fields, such as textiles, carpets, automotive interiors, medical equipment, electronic products, etc. Polypropylene is also often used to make ropes, fishing lines, artificial turf, etc. because its lightness, softness, and wear-resistant properties give it good durability and weather resistance.

Compared with other synthetic fibers, polypropylene is relatively low-priced and easy to process, so it is widely used in various fields. At the same time, polypropylene fiber also has excellent corrosion resistance, so it is also widely used in agriculture, medical, environmental protection and other fields.

Application

- Textiles Felt
- Geo Textiles
- Spinning yarnx/Nonwovens
- Auto Motive Interior

Specification table

Fiber Denier	1.5D/2D/3D/4D/5D/6D
Cut Length	38/51/64/76/88/102MM
Technical Advantages	1) High Tenacity
	2) Anti- UV proof

Cellulose Viscose Rayon Staple Fiber

Introduction

Viscose fiber is divided into viscose filament and viscose staple fiber. Viscose fiber is a regenerated cellulose fiber. It is made of natural cellulose as raw material. It is made into soluble cellulose xanthate through alkalization, aging, yellowing and other processes, and then dissolved in dilute alkali solution to make viscose. Made by spinning. Viscose fiber is one of the earliest chemical fibers put into industrial production. Due to its good hygroscopicity, comfortable wearing and excellent spinnability, it is often blended and interwoven with cotton, wool or various synthetic fibers and used in various types of clothing and decorative textiles. High-strength viscose fibers can also be used in industrial supplies such as tire cords and conveyor belts. Viscose fiber is a widely used chemical fiber.

Application

- Sppinning Yarns
- Baby Wet

Specification table

Fiber Denier	1.5D/2D/3D/4D/5D/6D
Cut Length	38/51/64/102MM
Technical Advantages	1) Good hygroscopicity,
	2) Overall it is strong and durable;
	3) Good dyeing performance, soft luster and natural beauty;
	4) Alkali resistance, high temperature alkali treatment
	5) Poor wrinkle resistance and large shrinkage;

Biodegradable PLA Staple Fiber

Introduction

Lactic acid, the raw material for the production of polylactic acid fiber (PLA), is produced from corn starch, so this fiber is also called corn fiber. It can be made from sugar beets or grains through glucose fermentation to reduce the cost of preparing lactic acid polymers.

High molecular weight polylactic acid can be obtained by chemical polymerization of lactic acid cyclized dimer or direct polymerization of lactic acid. Products made from polylactic acid as raw materials have good biocompatibility and bioabsorbability, as well as bacteriostasis and flame retardancy. Among degradable thermoplastic polymer materials, PLA has the best heat resistance.

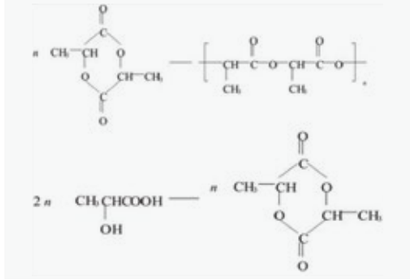
PLA fiber has similar physical properties to PET fiber (polyester fiber), not only has high crystallinity, but also has the same transparency; and due to its high crystallinity and high degree of orientation, it has high heat resistance and high Strength, and no special equipment and operating techniques are required, and spinning can be carried out using conventional processing techniques.

Application

- Underwear, outerwear, sportswear, shirts
- Fishing nets, kelp farming nets, fishing lines
- Diapers, personal hygiene products, surgical sutures

Specification table

Fiber Denier	1.5D/2D/3D/4D/5D/6D
Cut Length	38/51/64/102MM
Technical Advantages	1) Good Biodegradability
	2) Weather resistance
	3) Good hand feel



Natural Green-Bamboo/Lyocell Staple Fiber

Introduction

Lyocell fiber, commonly known as "Tenvelve", is made from natural plant fibers. It came out in the mid-1990s and is known as the most valuable product in the history of man-made fibers in the past half century. Lyocell is a green fiber. Its raw material is cellulose, which is inexhaustible in nature. There is no chemical reaction in the production process and the solvent used is non-toxic.

Application

- T-shirts, vests, bedding, home clothes
- Ffashion, lining, sportswear, decorative fabrics
- Cushions, pillows, pajamas, underwear

Specification table

Fiber Denier	1.5D
Cut Length	38/51MM
Technical Advantages	1) Good biodegradable
	2) Sweat-absorbing and breathable properties of pure cotton
	3) Anti-allergic. high strength

PA 6/66 Nylon Staple Fiber

Introduction

Nylon 6 and nylon 66 fibers account for more than 95% of polyamide fibers. Their main properties are as shown in the attached table. Although their physical properties are different, for general purposes, their appearance, feel, strength and wear resistance are very similar. , it is difficult to distinguish between plain woven fabrics and knitted fabrics, so they can often be substituted for each other. However, if cost is considered, nylon 6 is more dominant. The shrinkage rate of nylon 6 filaments is slightly higher than that of nylon 66, so it is more suitable. Knitted fabrics and fleece fabrics: Nylon 6 has a lower softening point, so it is softer than nylon 66, but it is more difficult to curl and deform. Therefore, the crimp fastness of nylon 66 is superior to nylon 6, so if As a material for pantyhose, nylon 66 has better elasticity than nylon 6 and is also more durable. Because nylon 66 has a higher melting point than nylon 6 and a lower shrinkage rate, it is more suitable for tire cord than nylon 6 for making tires. It is more capable of high-speed driving, and the tire can also travel a longer mileage. In addition, the melting point of nylon 66 and polyester fiber is close to that of the interwoven fabric with polyester, and it can be dyed in the same bath at the same temperature as polyester. Therefore, nylon 66 N/T fabric (nylon and polyester interwoven fabric) has better dye fastness than nylon 6 N/T fabric

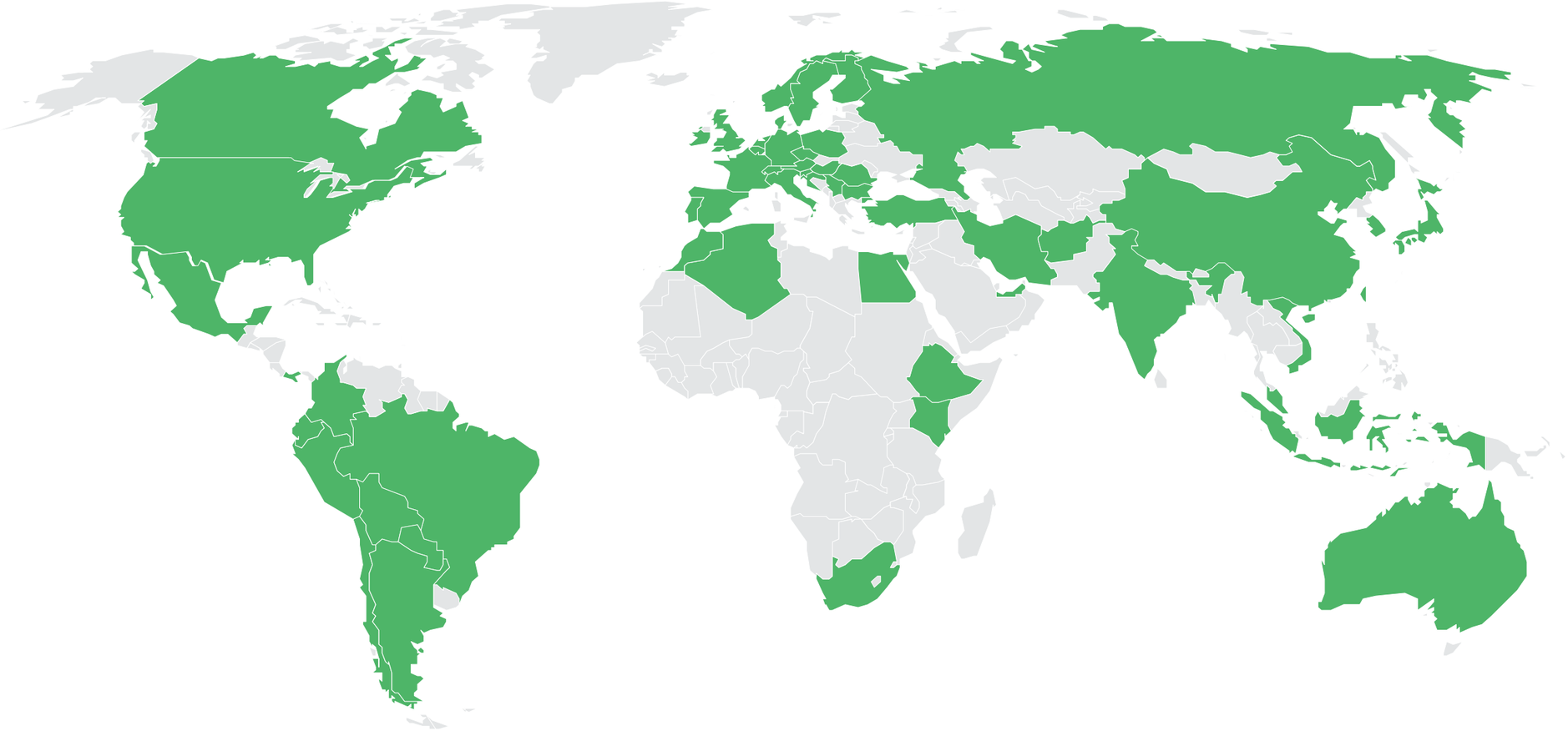
Application

- Garments, Clothes
- Tire cord
- Decoration Interior

Specification table

Fiber Denier	1.5D/2D/3D/5D/6D/15D/25D/30D
Cut Length	38/51/64/88/102MM
Technical Advantages	1) Cn/dtx dry 4.94~5.65(5.6~6.4) 5.65~7.68(6.4~7.8) 4.15~5.92(4.7~6.7) 4.4~5.65(5.0~6.4) 5.65~7.68(6.4~8.7) (g/den) Wet 3.97~5.29(4.5~6.0) 4.86~6.89(5.5~7.8) 3.44~5.03(3.9~5.7) 3.70~5.21(4.2~5.9) 5.21~6.53(5.9~7.4)
	2) Knotting strength (%, dry strength) 80~90 60~70 80~90 70~80
	3) Dry and wet strength ratio (%) 90~95 85~90 83~90 84~92 84~92
	4) Elongation at break % Dry 26~40 16~24 38~50 28~42 16~25Wet 30~52 21~28 40~58 36~52 20~30
	5) Elastic recovery rate % (when elongated 3%) 95~100 98~100 95~100 98~100 98~100 Young's coefficient (kg/mm^2) 235~318 373~447 100~250 200~450 280~510

Export Market Network



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