

500
Private Enterprises

BILLION

涤纶长丝 Polyester Filament Yarn
涤纶工业丝 Polyester Industrial Yarn
聚酯薄膜 BOPET
ES纤维 ES Fiber
聚酯瓶片 Polyester Bottle Chip



中国工厂

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 **福建百宏集团**
BILLION GROUP FUJIAN
股票代码: 2299.HK

集团简介

Corporate Profile

福建百宏集团始建于2003年，总部位于世界文化遗产地——福建省晋江市，占地面积3500亩。集团是以聚酯新材料，民用丝、工业丝、聚酯薄膜、瓶片全产业链发展的国际型企业，拥有世界领先的技术装备，聚酯年设计产能368万吨。2011年在香港联合交易所上市（百宏实业股票代码：2299HK），下辖中国晋江、越南西宁两大产业基地，旗下子公司福建百宏聚纤科技实业有限公司、福建百宏高新材料实业有限公司、越南百宏实业有限公司，企业竞争力和产品品牌价值均位列国内行业前列。

Fujian Billion Group was founded in 2003, the headquarters is located in the world cultural heritage site - Jinjiang City, Fujian province, covers an area of 2333333.33m². The Group is an international enterprise developing the whole industrial chain of polyester new materials, polyester filament yarn, polyester industrial yarn, polyester film and polyester bottle chips, with the world's leading technology and equipment, and the annual design capacity of polyester is 3.68 million tons. In 2011, it was listed on the Stock Exchange of Hong Kong (stock code: 2299HK). It has two industrial bases in the Jinjiang City of China and Xining Province of Vietnam. Its subsidiaries are Fujian Billion Polymerization Fiber Technology Industrial Co., LTD., Fujian Billion High-tech Materials Industrial Co., LTD., Billion Industrial (Vietnam) Co., LTD., and its enterprise competitiveness and product brand value are at the forefront of the domestic industry.

百宏集团把发展智能制造作为企业战略重点，承担纺织行业首个智能制造新模式项目，开发出涤纶长丝产品质量在线检测系统，获批为“智能制造标杆企业”。搭建国家级企业技术中心、国家级实验室和院士工作站等科研创新平台，深耕自主科技研发，与国家重点高校联合研发新产品，打造核心竞争力，拥有60多项发明专利。同时得到了各级部门的认可，获评“中国制造业民营企业500强”、“国家技术创新示范企业”、“全国五一劳动奖章”、“国家火炬计划重点高新技术企业”、“全国纺织工业先进集体”、“中国质量标杆企业”、“福建省优秀民营企业”、“泉州市功勋企业”等荣誉称号。

Billion Group takes the development of intelligent manufacturing as the strategic focus of the enterprise, undertakes the first intelligent manufacturing new model project in the textile industry, develops the polyester filament product quality online detection system, and is approved as an "intelligent manufacturing benchmarking enterprise". It has built a national enterprise technology center, national laboratory and academician workstation and other scientific research and innovation platforms, deeply cultivates independent scientific and technological research and development, and jointly develops new products with national key universities to create core competitiveness, and has more than 60 invention patents. At the same time, it has been recognized by departments at all levels and was awarded "Top 500 Private Manufacturing Enterprises In China", "National Technological Innovation Demonstration Enterprise", "National May 1st Labor Medal", "National Torch Plan Key High-Tech Enterprise", "National Textile Industry Advanced Collective", "China Quality Benchmarking Enterprise", "Fujian Province Excellent Private Enterprise", "Quanzhou Meritorious Enterprise" and other honorary titles.

百宏，将倾力打造百年品牌，以专业的技术和认真的态度为全球客户提供优质的产品和服务，愿与全球的客户合作共赢，共同发展。

BILLION is willing to work with global customers to develop both beneficial cooperation and more successful common development, to provide quality products and services for global customers with advanced technology and serious attitude, and to build a good and famous brand.



百宏文化

使命：致力于为人民提供健康绿色产品，成为全球消费品原料优质供应商

We aspire to be the global prime supplier of consumer products, providing eco-friendly products for people.

愿景：打造全球高新纤维研发生产主流基地

Vision: To build a global high-tech fiber research and development and production mainstream base.

企业规模

百宏AB区：年产45.5万吨涤纶长丝项目

百宏C区：年产33万吨涤纶长丝项目

百宏D区：年产25.5万吨聚酯薄膜项目

百宏E区：年产33万吨涤纶长丝项目

百宏F区：年产25万吨涤纶工业丝项目

百宏G区：年产25.5万吨聚酯薄膜项目

百宏H区：年产33万吨功能性聚酯薄膜项目

百宏I区：年产70万吨聚酯瓶片项目

越南百宏：年产55万吨聚酯瓶片、年产20万吨涤纶长丝和再生长丝3万吨项目

Production scale of enterprise :

Producing Area	Annual output (tons)	Product
AB producing Area	455, 000	Polyester Filament Yarn
C producing Area	330, 000	Polyester Filament Yarn
D producing Area	255, 000	Polyester PET Film
E producing Area	330, 000	Polyester Filament Yarn
F producing Area	250, 000	Polyester Industrial Yarn
G producing Area	255, 000	Polyester PET Film
H producing Area	330, 000	Polyester PET Film
I producing Area	700, 000	Polyester Bottle Chip
Vietnam factory	550, 000	Polyester Bottle Chip
Vietnam factory	200, 000	Polyester Filament Yarn
Vietnam factory	30, 000	Polyester Recycled Filament Yarn

用每一根丝线，链接美好未来！

Using every thread to link a beautiful future.

BILLION CULTURE



SMART MANUFACTURING MODEL ENTERPRISE

智能制造标杆企业



涤纶长丝产品结构 POLYESTER FILAMENT YARN PRODUCT PORTFOLIO

1. 百酷棉 BL COOL COTTON LIKE

应用领域 Application

针织、梭织、运动服、休闲服、衬衫、内衣、外套、家纺等产品。
Polyester Cotton-like Filament Yarn is widely applied in knitting, weaving, sports suits, casual suits, shirts, underwear, coats and home textile.

2. 百酷丝 BL COOL®

应用领域 Application

运动服装、休闲装、女性内衣、韵律服、衬衫、裤料
Sportswear, Casual, Underwear, Eurythmics wear, Shirts, Trouser

3. 麻灰系列

MELANGE (BLACK & MELANGE)

应用领域 Application

纬编：运动休闲系列、内衣、胸罩材料；鞋材
Weft Knitting: Sport, underwear, Bra, Shoe Material
经编：家纺、服装面料
Weaving: Home Textured, cloth fabric

4. 阳涤复合丝

CATIONIC AND POLYESTER COMPLEX YARN

应用领域 Application

梭织：梭织羽绒服、帐篷、迷彩服、花色遮光窗帘等
woven: woven jacket, tents, camouflage, dimout fabric.
纬编：运动休闲系列、摇粒绒、毛线衫、家纺等
weft: sports, fleece, sweaters, home textiles, etc.
经编：家纺、服装面料、泳装等；高端鞋材。
Warp knitting: home textile, clothing fabrics, swimsuit, high quality shoe materials

5. 弹力仿棉丝

POLYESTER ELASTIC COTTON-LIKE FILAMENT YARN

应用领域 Application

面料、家居、attress, chair mat, shoes
家饰家用 home textile

6. 抗菌纤维

ANTIBACTERIAL YARN

应用领域 Application

内衣、抱枕、毛巾、鞋垫、袜子
Underwear, throw pillows, towels
insoles, socks

7. 冰凉丝

ICE-COLD YARN

应用领域 Application

纬编：运动休闲系列等
Weft: sports etc.
经编：服装面料、泳装等
Warp knitting: clothing fabrics, swimsuit etc.



自动化智能落丝生产线
Winders Robot Lines



日本TMT 全自动络筒加弹机
Japan TMT DTY Machine



自动化智能包装线
Packing Robot Lines



自动化智能包装线
Packing Robot Lines

POLYESTER FILAMENT YARN

百酷棉

超仿棉涤纶长丝
Polyester cotton-like filament yarn

百酷棉获国家发明专利一项，实用新型专利一项。本产品外观上利用改变单丝纤度与采用特殊的双螺旋十字截面形状；性能上添加特殊的第三/四组份改善纤维可染性和吸湿、排湿性，并从外观和手感上接近棉织物；功能上仿棉织物不仅具有良好的手感及服用性能，而且在吸水透气、吸湿排湿、抗静电性、热稳定性、力学性能等方面超越棉织物。

BL Cool Cotton has obtained a national patent for invention and a patent for utility model. In appearance, it is changed the density of single fiber and adopts special double-helix cross-sectional shape. In performance, it adds special third/fourth component to improve the dyeability, moisture absorbency and moisture transfer ability. It is similar to cotton fabric in appearance and hand feelings. In function, cotton-like fabric not only has good hand feelings and wearing performance but also has better performance than cotton fabric in terms of water absorption, permeation, moisture absorption and discharging, static electricity resistance, thermal stability and mechanical property.

超仿棉可广泛应用于针织、梭织、运动服、休闲服、衬衫、内衣、外套、家纺等产品。

Polyester cotton-like filament yarn is widely applied in knitting, weaving, sports suits, casual suits, shirts, underwear, coats and home textile.

产品规格 Specification

32S, 40S, 50S半光型, 消光型, 多功能型。

32S 40S 50S Semi-dull Full-dull Multi-functional

超仿棉(百酷棉) 与纯棉纱物性比较表

Comparisons of properties of Polyester cotton-like filament yarn and pure cotton

序号 (NO.)	项目 (Item)		百酷棉 (BL Cool Cotton)	纯棉 (Pure Cotton)	仿棉比纯棉 (Merits of Cotton-like fabric)
1	规格 (specification)		32S	32S	
2	纤度 (Titer)	dtex	173	173	
3	强度 (Strength)	CN/dt	2.28	1.69	更耐磨 (More Abrasion Resistant)
4	伸度 (Elongation)	%	24.4	5.8	
5	抗起球 (Pilling Resistance)	级	4.0-4.5	3	抗起球更好 (Better in Pilling Resistance)
6	干磨色牢度 (Color Fastness under dry grinding)	级	4.5	4.5	
7	湿磨色牢度 (Color Fastness under wet grinding)	级	4.5	3	色牢度更高 (Higher Color Fastness)
8	回潮率 (Moisture Regain)	%	0.8	6.7	
9	吸水高度 (Water Suction Head)	mm/30min	175	75	吸排性更佳 (Better Suction)
10	吸水扩散速度 (diffusion velocity of Water Suction)	min	570	960	
11	抗紫外 UV(UV Resistance)		35-50	15-20	抗UV更好 (Better in UV Resistance)

BL COOL COTTON





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百酷丝

吸湿排汗纤维
Hygroscopic and Sweat Releasing

清爽速干 Dry-comfort 吸湿排汗 Breathable

BL COOL[®]



百酷丝是一种永久具有吸湿排汗的高品质功能性涤纶长丝，利用其“十字”异形截面所具有的特殊导水沟槽及超强的毛吸现象，将人体汗水迅速吸收、传输，而达到“快干”的效果，使肌肤倍感舒适与干爽。

BL Cool Yarn is an eternal high-performance functional fiber. The ditches informed by the specific “cross (+) section” speeds up the moisture absorption and diffusion. Fabrics made from obtain excellent comfort in wear with dry, soft & breathable.

产品特性 Characteristics

清爽速干 Quick & Dry
透气性佳 Breathable
手感柔软 Excellent soft & smooth feeling
容易打理 Easy care

产品规格 Specification

50~150D/36~144F，半光及消光的

应用领域 Application

运动服装、休闲装、女性内衣、韵律服、衬衫、裤料
Sportswear、Casual、Underwear、Eurythmics wear、Shirts、Trousers

抗紫外面料

纳米科技 抗紫外 Nano Technology

在百宏吸湿排汗系列面料的基础上，将纳米级的化学助剂融入纺丝过程或者运用纳米抗紫外助剂对织物进行整理，使织物具有抗紫外功能，同时也不影响织物本身的快速吸湿排汗的功能性。

UV-CUT

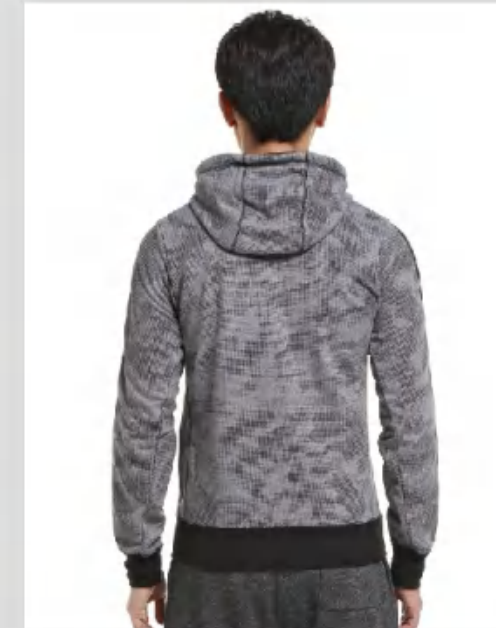
Based on the BLCOOL, BILLION has brought the nano technology into BLCOOL fabric to develop the UV-CUT fabric which combines the moisture absorption and ejecting perspiration function.



麻灰系列 MELANGE (BLACK & WHITE MELANGE)

由黑色涤纶与常规涤纶按一定配比经特殊复合加工而成。

Textured complex by polyester black and Raw white according to certain proportion complex production



产品特性 Characteristics

免染色、耐高温色牢度好，有小舞龙，大舞龙效果。
Free dyeing, High temperature resistance and high fastness, looks like CD+SD effect.

色系：有浅灰、中灰、深灰

Color Type: Light Grey, Medium Grey, Dark Grey

花型：点状、条状、岩层状

Design Type: Dot, Strip, Attitude of Rock

产品规格 Specification

Procution specification
75D-300D/84-168F

应用领域 Application

纬编：运动休闲系列、内衣、胸罩材料；鞋材

Weft Knitting: Sport, underwear, Bra, Shoe Material

经编：家纺、服装面料

Weaving: Home Textured, cloth fabric



CATIONIC AND POLYESTER COMPLEX YARN

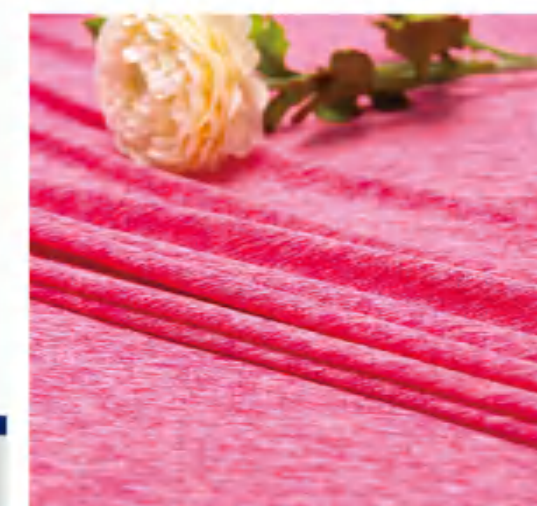
阳涤复合丝

阳涤复合丝，由阳离子可染涤纶CDP与普通多孔异型涤纶通过特殊复合加弹而成的，从而体现面料多样化花型，彰显个性时尚，品质更加稳定。

熔体直纺改性涤纶纤维—阳离子可染涤纶，在聚酯熔体中添加第三单体，从而通过阳离子染料提高涤纶纤维的染色性能。

Cation and Polyester Semidull complex yarn, Textured by CDP and regular micro filaments yarn, Thereby, reflect the fabric pattern diversification, show fashion, quality more stable.

Directly textured of modified polyester fibers---CDP, The third monomer is added in the polymer Melt, to improve the dyeing performance into polyester fiber by cationic .



产品特性 Characteristics

吸色深，牢度高、色彩明亮鲜艳

Deeper color is deeper, high fastness, bright colored

阳离子涤纶与普通涤纶复合，可通过调整不同阳离子比例，获得不同双色效果（包括异色、深浅、留白等）

CD+SD, Can be obtained by adjusting the proportion cation, difference double color effect (including difference, shades difference Etc.)

阳离子涤纶与普通涤纶交织，容易获得双色的条纹、格子等，可取花色织面料以及多种原料成分经过不同染料套染上三色效果

CD+SD, easy to get double color stripe, grid, desirable color yarn-dyed fabrics and a variety of raw material through different dyestuff to effect three color.

应用领域 Application

梭织：梭织羽绒服、帐篷、迷彩服、花色遮光窗帘等

woven: woven jacket, tents, camouflage, dimout fabric.

纬编：运动休闲系列、摇粒绒、毛线衫、家纺等

weft: sports, fleece, sweaters, home textiles, etc.

经编：家纺、服装面料、泳装等；高端鞋材。

Warp knitting: home textile, clothing fabrics, swimsuit, high quality shoe materials

产品规格 Specification

50-600D/72-216F

品种系列 Variety

小花，中花，大花。

Difference flower type.

点状，中/长条，岩层状

Design Type: Dot, Strip, Attitude of Rock

弹力仿棉丝

POLYESTER ELASTIC COTTON-LIKE FILAMENT YARN

引入弹性聚酯通过复合纺丝，制成弹性仿棉纱。制得的纤维具有高弹性，触感柔软，易上色，染整温度更低，紧贴节能低碳的政策。可定制多种功能性如抗菌，亲水，抗静电，保暖，低温可染等（可提供第三方检测报告）。竹节效果弹力仿棉，布面具有特殊风格，凹凸感，更容易排汗，上身不闷。

Elastic polyester was introduced to produce elastic imitation cotton yarn by composite spinning. The fiber produced has high elasticity, soft touch, easy color, lower dyeing and finishing temperature, close to the policy of energy saving and low carbon. Can customize a variety of functions such as antibacterial, hydrophilic, antistatic, warm, low temperature can be dyed, etc. (can provide a third party test report). Slub effect elastic imitation cotton, cloth with special style, concave and convex, easier to sweat, not stuffy upper body.

产品特性 Characteristics

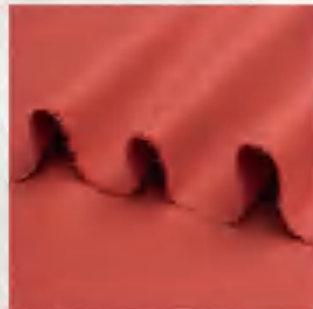
自带弹性 Inherent elasticity
低染整温度 Low dyeing and finishing temperature
环保 Environmentally friendly
手感柔软 soft feel
棉感强 Strong sense of cotton

产品规格 Specification

86S~21S
60F~384F

应用领域 Application

面料，家居，attress, chair mat, shoes
家饰家用 Home textile



抗菌纤维

ANTIBACTERIAL YARN

随着人们生活水平的提高，对纺织品的需求已经不再局限于传统遮身蔽体的基础要求，抗菌等功能性需求随疫情爆发需求也提高极高。相对传统的重金属离子AG，CU离子，我司抗菌纱采用更加环保，对人体更加无害的ZN离子抗菌，离子型抗菌使有效成分在纱线表面富集，形成覆盖于纱线的抗菌层。（可提供第三方检测报告）

With the improvement of people's living standards, the demand for textiles is no longer limited to the traditional basic requirements of covering the body, and the functional demand such as antibacterial also increases with the outbreak of the epidemic. Compared with the traditional heavy metal ions AG and CU ions, our antibacterial yarn uses ZN ions which are more environmentally friendly and more harmless to human body. Ionic antibacterial enables the effective components to accumulate on the surface of the yarn, forming an antibacterial layer covering the yarn.

产品特性 Characteristics

除臭抑菌 Odors elimination
吸排效果 Breathable

品种 Breed

Spec: 75D 100D 150D

应用领域 Application

内衣，抱枕，毛巾，鞋垫，袜子
Underwear, throw pillows, towels, nsoles, socks

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ICE-COLD YARN 冰凉丝

冰凉纤维，冰凉丝是以涤纶为载体，在抽丝过程中加入云母晶体，抽丝而成的云母属于铝硅酸盐矿物，具有连续层状硅氧四面体构造。在双重效果“高热传导率+高吸水效果”的作用下，促使纳米层云母成为新一代的降温散热材料。
(可提供第三方检测报告)

Ice-cool yarn is made of polyester, adding mica crystal in the process of spinning, belongs the aluminosilicate minerals, with continuous layered silica tetrahedron structure. Under the dual effect of "high heat conductivity + high water absorption", nano-mica becomes a new generation of cooling and heat dissipation materials.

产品规格 Specification

75D/48-72F

75/72/2 截面为+字

cross(+) section

应用领域 Application

纬编：运动休闲系列等

Weft: sports etc.

经编：服装面料、泳装等

Warp knitting: clothing fabrics, swimsuit etc.



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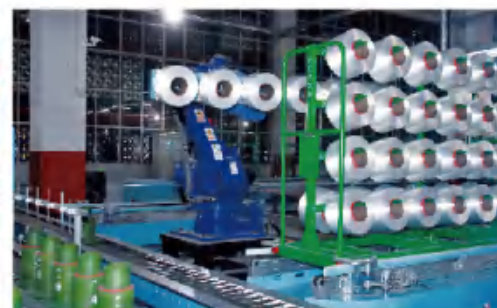
中国化纤行业 首座5G智能化工厂



自动化智能落丝生产线
Automatic Doffing Lines



AGV智能运载车
Automated Guided Vehicles



自动智能化包装线
Automatic Packing Lines



德国Barmag 纺丝设备
Germany Barmag Spinning Machines



涤纶工业丝产品结构

产品目录及主要用途

1.标准高强型 HIGH TENACITY REGULAR SHRINKAGE YARN	应用领域Application 消防水带、吊装带、牵引带、紧固带、输送带、土工织物、特斯林布、渔网， 缆绳、工业缝纫线和橡胶管等。 Fire Hose,Sling, Webbing, Tie Down, Conveyor Belt, Geotextile, Yarn-coating, Netting, Rope, Sewing Threads & Hoses.
2.高强中收缩型 HIGH TENACITY MIDDLE SHRINKAGE YARN	应用领域Application 多层输送带、整芯输送带 Plied Fabric Conveyor Belts 、 Solid Woven Conveyor Belts
3.高强低收缩性 HIGH TENACITY LOW SHRINKAGE YARN	应用领域Application 多层输送带、整芯输送带 plied fabric conveyor belts 、 solid woven conveyor belts
4.低收缩型 LOW SHRINKAGE YARN	应用领域Application 灯箱广告布、帐篷布、遮阳布、泳池面料、蓬盖布、膜结构等涂层织物。 Backlit Sign, Tent, Awning, Tarpaulin, Swimming Pool Fabric, Membrane Structure.
5.超低缩型 SUPER LOW SHRINKAGE YARN	应用领域Application 灯箱广告布、帐篷布、遮阳布、泳池面料、蓬盖布、膜结构等涂层织物。 Backlit Sign, Tent, Awning, Tarpaulin, Swimming Pool Fabric, Membrane Structure.
6.安全带专用型 SEAT BELT YARN	应用领域Application 汽车安全带、飞机安全带、汽车儿童座椅安全带、高空作业安全带。 Car Seat Belt、Airplane Seatbelt、Child Restraint Webbing、Harness;
7.汽车安全气囊专用型 AIRBAG YARN	应用领域Application 汽车安全气囊 Car Air Bag
8.高强缝纫线专用型 SEWING THREAD YARN	应用领域Application 缝纫线 Sewing Thread
9.有色丝 DOPE DYED YARN	应用领域Application 消防水带、吊装带、牵引带、紧固带、输送带、渔网，缆绳、工业缝纫线和橡 胶管等。 Fire hose,Sling, Webbing, Tie Down, Conveyor Belt, Netting, Rope, Sewing Threads & Hoses.

INDUSTRIAL POLYESTER YARN PRODUCT PORTFOLIO



10.活化丝 ADHESIVE ACTIVATED YARN	应用领域Application 多层输送带 plied fabric conveyor belts
11.抗芯吸丝 11.ANTI-WICKING YRAN	应用领域Application 灯箱广告布、泳池面料、膜结构等涂层织物。 Backlit Sign, Swimming Pool Fabric, Membrane Structure.
12.阻燃丝 FLAME RETARDANT YARN	应用领域Application 吊装带、输送带、土工织物、特斯林布、渔网，缆绳、工业缝纫线和橡胶管等有阻 燃要求的纺织品。 Sling, Conveyor Belt, Geotextile, Yarn-coating, Netting, Rope, Sewing Threads & Hoses.Textiles with flame-retardant refquirement.
13.低伸长丝 LOW ELONGATION YARN	应用领域Application 土工布、土工格栅 Geotextile、Geogrid
14.高伸长丝 HIGH ELONGATION YARN	应用领域Application 帐篷布、遮阳布、蓬盖布、膜结构等涂层织物。 Tent, Awning, Tarpaulin, Membrane Structure.
15.加捻丝 TWISTED YARN	应用领域Application PVC胶管、帐篷布、膜结构、安全带。 PVC hose,Tent, Membrane Structure,Seat Belt
16.合股丝 MULTI-COMPACTION YRAN	应用领域Application 重型吊装带、缆绳、土工格栅、页岩气开发软管。 Heaving sling、Rope、Geogeid、Shale&gas develop hose
17.合股加捻丝 MULTI-PLY TWISTED YARN	应用领域Application 缆绳、吊装带、土工布 Rope、Sling、Geotexlite
18.大有光聚酯切片 SUPER BRIGHT PET CHIP	
19.高粘度聚酯切片 HIGT VISCOSITY PET CHIP	

标准高强型

HIGH TENACITY REGULAR SHRINKAGE YARN

产品规格 Specification

规格 (Type)50D-210D: 断裂强度(Tenacity) $\geq 7.1\text{cN/dtex}$;

规格 (Type)210-500D: 断裂强度(Tenacity) $\geq 7.5\text{cN/dtex}$;

规格 (Type)500D以上: 断裂强度(Tenacity) $\geq 8.1\text{cN/dtex}$;

规格 Type	纸管尺寸 Tube size 内径*长度 (mm) Inner Diameter*Length	卷重 (kg) Bobbin Weight	卷装直径 (mm) Bobbin Diameter	包装&数量 Package&Quantity	净重 (kg)	包装尺寸 Package Size 长*宽*高 L*W*H
50D-1000D	125*200	10	315	Pallet&60	600	1250*940*1150
1000D-6000D	94*300	12	280	Pallet&64	768	1120*1120*1350
				Pallet&48	576	1120*1120*1050

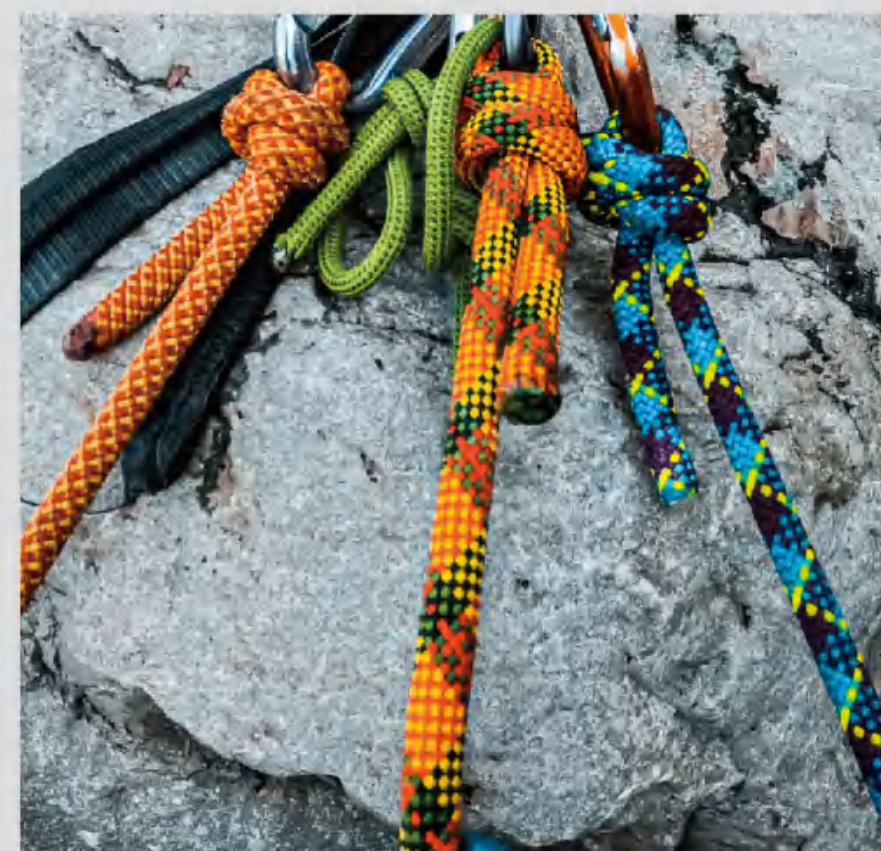
部分功能型产品如有色、活化、低伸长、加捻等可根据客户需求定制。

Some functional products can be customized according customer's requirement, such as dope dyed yarn, activated yarn, low elongation polyester yarn, twisted yarn.

应用领域 Application

吊装带、牵引带、紧固带、输送带、土工织物、特斯林布、渔网、缆绳、工业缝纫线和橡胶管等。

Sling, Webbing, Tie Down, Conveyor Belt, Geotextile, Yarn-coating, Netting, Rope, Sewing Threads & Hoses.



低收缩型 LOW SHRINKAGE YARN

产品规格 Specification

规格 (Type)210-500D: 断裂强度(Tenacity)≥7.0cN/dtex;
规格 (Type)500D以上: 断裂强度(Tenacity)≥7.0cN/dtex;
190℃, 15min, 0.01cN/dtex的测试条件下, 干热收缩率为 (3 ±0.3) %;
At the test conditions of 190℃, 15min and 0.01cN/dtex, the Hot Air Shrinkage rate was (3.0 ±0.5) %.

规格 Type	纸管尺寸 Tube size 内径*长度 (mm) Inner Diameter*Length	卷重 (kg) Bobbin Weight	卷装直径 (mm) Bobbin Diameter	包装&数量 Package&Quantity	净重 (kg)	包装尺寸 Package Size 长*宽*高 L*W*H
210D-500D	125*200	10	315	Pallet&60	600	1250*940*1150
500D-2000D	94*200	11	315	Pallet&60	600	1250*940*1150

部分功能型产品如有色、活化、抗芯吸、加捻等可根据客户需求定制。
Some functional products can be customized according customer's requirement,such as
dope dyed yarn, activated yarn, anti-wick yarn, twisted yarn.

超低缩型 SUPER LOW SHRINKAGE YARN

产品规格 Specification

规格 (Type)210-500D: 断裂强度(Tenacity)≥6.9cN/dtex;
规格 (Type)500D以上: 断裂强度(Tenacity)≥6.9cN/dtex;
190℃, 15min, 0.01cN/dtex的测试条件下, 干热收缩率为 (2.25±0.25) %;
At the test conditions of 190℃, 15min and 0.01cN/dtex, the Hot Air Shrinkage rate was (2.25 ±0.25) %.

应用领域 Application

灯箱广告布、帐篷布、遮阳布、泳池面料、篷盖布、膜结构等涂层织物。
Backlit Sign, Tent, Awning, Tarpaulin, Swimming Pool Fabric, Membrane Structure.



标准高强度型 HIGHT TENACITY YARN



汽车安全带专用型 SEAT BELT YARN



低收缩型 LOW SHRINKAGE YARN



高强缝纫线专用型 SEWING THREAD YARN





汽车安全带专用型

规格 Type	纸管尺寸 Tube size 内径*长度 (mm) Inner Diameter*Length	卷重 (kg) Bobbin Weight	卷装直径 (mm) Bobbin Diameter	包装&数量 Package&Quantity	净重 (kg)	包装尺寸 Package Size 长*宽*高 L*W*H
1000D/72F/96F	94*300	12	280	Pallet&64	768	1120*1120*1350
1500D/96F/144F				Pallet&48	576	1120*1120*1050

应用领域 Application

汽车安全带
Seat Belt

汽车安全带专用型 生产过程中全系配备在线毛羽检测仪器；可定制有色、加捻产品。
In the production process, all products are equipped with on-line feather detection instrument. Dope dyed yarn ,twist-
ed yarn can be customized.



汽车安全气囊专用型

规格 Type	纸管尺寸 Tube size 内径*长度 (mm) Inner Diameter*Length	卷重 (kg) Bobbin Weight	卷装直径 (mm) Bobbin Diameter	包装&数量 Package&Quantity	净重 (kg)	包装尺寸 Package Size 长*宽*高 L*W*H
420D	94*200	11	315	Pallet&60	660	1250*940*1150
500D						

应用领域 Application

汽车安全气囊
Car Air Bag

汽车安全气囊专用型 AIRBAG YARN
生产过程中全系配备在线毛羽检测仪器；可定制加捻产品。
In the production process, all products are equipped with on-line feather detection instrument.
Twisted yarn can be customized.

AIRBAG YARN



高强缝纫线专用型

生产过程中全系统配备在线毛羽检测仪器；可定制有色、加捻产品。
In the production process, all products are equipped with on-line feather detection instrument. Dope dyed yarn, twisted yarn can be customized.

应用领域 Application
缝纫线 Sewing Thread

规格 Type	线密度 Linear Density		断裂强力 (N) Breaking Strength	断裂强度 Tenacity		断裂伸长率(%) Elongation at Break(%)	干热收缩率(%) Hot Air Shrinkage 190°C*15Min*0.01ch/dtex
	dtex	Denier	≥	≥ (cN/dtex)	≥ (g/D)		
55dtex/ 32f	55	50	4.4	8.0	9.07	13.5	5.0
66dtex/ 24f	66	60	4.69	7.10	8.05	13.0	5.0
78dtex/ 32f	78	70	5.5	7.10	8.05	17.0	2.5
95dtex/ 32f	95	85	6.75	7.10	8.05	14.5	3.5
105dtex/32f	105	95	7.46	7.10	8.05	13.0	5.0
111dtex/32f	111	100	7.9	7.10	8.05	18.0	2.8
125dtex/36f	125	111	9.9	7.10	8.05	13.0	5.0
133dtex/36f	133	120	9.44	7.10	8.05	13.0	5.0
140dtex/48f	140	126	9.9	7.10	8.05	19.0	2.5
150dtex/48f	150	133	10.65	7.10	8.05	19.0	2.5
167dtex/48f	167	150	11.86	7.10	8.05	19.0	2.5
211dtex/48f	211	187	15.61	7.40	8.39	15.0	5.0
233dtex/48f	233	210	16.5	7.10	8.05	18.0	2.5
278dtex/48f	278	250	19.7	7.10	8.05	18.0	2.5
333dtex/96f	333	300	23.6	7.10	8.05	18.0	2.5
467dtex/144f	467	420	36.43	7.80	8.84	15.0	5.0
555dtex/144f	555	500	43.29	7.80	8.84	15.0	5.0
700dtex/144f	700	630	54.60	7.80	8.84	15.0	5.0
930dtex/144f	930	840	72.54	7.80	8.84	15.0	5.0

SEWING THREAD YARN



Oeko-Tex Standard 100 Certification



百宏聚纤公司ISO9001:2015 Polyester Filament Yarn



百宏聚纤公司ISO14001:2015 Polyester Filament Yarn



百宏聚纤公司ISO45001:2018 Polyester Filament Yarn

百宏集团捐资1000万助力“世中运”
百宏集团履行社会责任 利用闲置屋顶 建设光伏电站



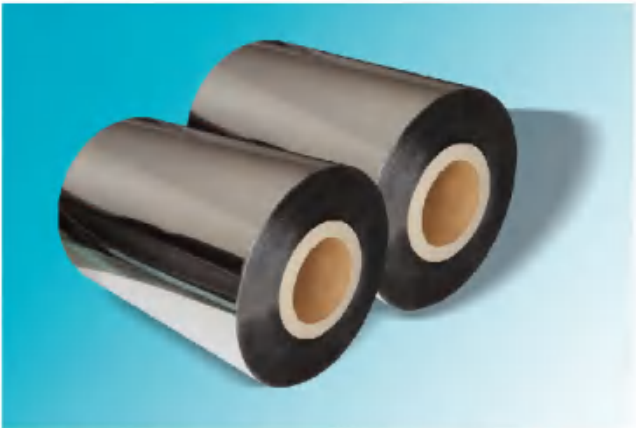
功能性聚酯薄膜

BOPET FILM

环保APET可回收片材
Environmentally Friendly APET Recyclable Sheet

福建百宏新材料实业有限公司专业从事功能性环保薄膜（BOPET）、APET片材和膜级PET切片的生产、研发和销售。年设计产能78.5万吨，是国内大型的聚酯薄膜和片材生产企业。产品定位于国内高端功能性聚酯薄膜和片材市场，分别应用于软包装、复合印刷、电子电器、服装服饰、安全节能和化妆品、食品、电子、玩具、印刷等领域。并且大力开发新型环保、可应用于多种领域的聚酯薄膜产品。

Fujian Billion High-tech Material Industrial Co., Ltd. specializes in the production, development and sales of functional environmental protection film (BOPET), APET sheet and film level PET chips. With an annual design capacity of 785,000 tons, it is a large domestic polyester film and sheet production enterprise. Products are positioned in the domestic high-end functional polyester film and sheet market, respectively, used in flexible packaging, composite printing, electronic appliances, clothing, safety and energy saving and cosmetics, food, electronics, toys, printing and other fields. And vigorously develop new environmental protection, can be used in a variety of fields of polyester film products.



产品列表 Products List	
产品名称 Item Description	厚度范围 Thickness Range(um)
印刷基膜 Printing Base Film	6 ~ 100
镀铝基膜 Metallizing Base Film	9 ~ 75
烫金基膜 Hot Stamping Foil Base Film	12 ~ 50
金银丝基膜 Metallic Yarn Base Film	12~50
转移基膜 Transfer Base Film	12~38
离型基膜 Release Base Film	18~75
电工基膜 Electrical Insulation Base Film	12 ~ 75
保护膜 Protection Base Film	25~75
护卡基膜 Card Lamination Base Film	12~250
涂布基膜 Coating Base Film	12 ~ 75
热封膜 Heat Sealable Film	15~30
扭结膜 Twistable Film	19~28
高亮膜 High Gloss Film	12~150
抗静电膜(永久) Anti Static Film	12 ~ 150
亚光膜（全亚、半亚） Both sides Matt Film	23 ~ 75
有色膜（蓝膜、红膜、茶色、白色等） Blue PET Film	25~250
珠片膜 Sequin Film	125~150
太阳能背板用聚酯薄膜 Film for solar panels	188~350
在线涂布膜（丙烯酸、共聚酯、聚氨酯等） On-line coating film (acrylic, co-polyester, polyurethane)	10~250
碳带基膜 Carbon tape base film	4.5
其它功能性薄膜（可定制） Other functional films (customizable)	4.5-350

ES纤维

百宏ES 短纤项目，主要从事高端功能性卫生纤维材料的生产和研发，年产5.8万吨，已于2020年6月份投产，项目引进世界一流的生产设备：德国纽马格牵伸设备、德国Theilen烘干定型机，德国Autefa 打包机，P1、P2实验室。

BILLION ES Fiber Project is mainly engaged in the development and production of high-end functional sanitary fiber materials. With an output of 58,000 tons per year. The project has introduced several world's advanced equipment from Germany, such as the spinning and drafting equipment from Neumag, Theilen drying and setting machine, Autefa packaging equipment and P1, P2 laboratory.

产品介绍 Introduction

公司ES短纤为双组分皮芯:正芯/偏芯/中空芯结构复合纤维，皮层组织熔点低且柔软性好，芯层组织则熔点高、强度高，具有热收缩率小的特征。纤维的物性形成的产品具有蓬松、柔软、爽滑、透气、亲肤、抑菌、除臭、无毒、无刺激等特点。

ES fiber products are core/partial core/hollow core structure composite fiber, having two-component composite fibers with skin-core structure positive , where the surface texture has a low melting point and good softness, while the core tissue has a high melting point and high strength, with low thermal shrinkage. The products are fluffy, soft,smooth, breathable, skin-friendly, bacteriostatic, deodorant, non-toxic and non-irritating.



德国纽马格短纤设备 Germany Neumag ES Fiber Machine



ES FIBER

应用领域 Application

热风布、蓬松棉、尿不湿、卫生巾和医用、过滤材料等
Hot air cloth, fluffy cotton, diapers, sanitary napkins and medical, filter materials, etc

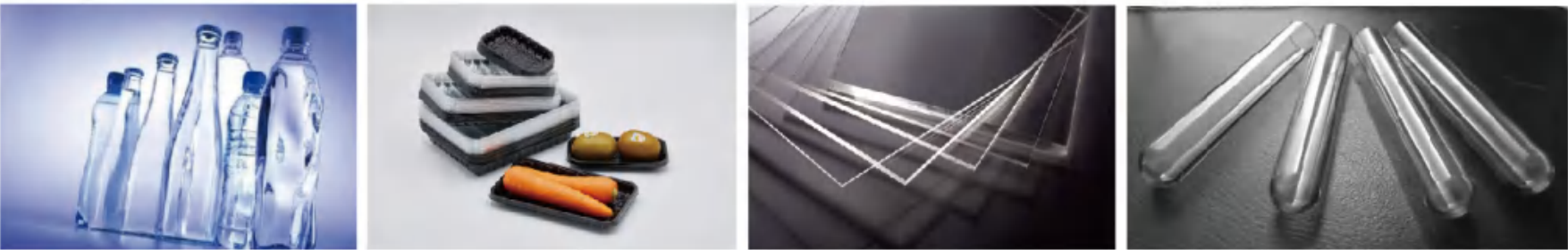
产品规格 Specification

0.6-6D增白/普白
拒水/亲水/, 纤度长38-51mm全系列复合 (PE/PET) 纤维
1.0/0.8/0.6, 纤度长38mm, 增白拒水/亲水 (PE/PET)复合纤维
0.6-6D whitening/plain white
Repellent/hydrophilic /38-51mm full range of fibers (PE/PET).
1.0/0.8/0.6, length 38mm, whitening water repellent/hydrophilic (PE/PET) composite fiber



POLYESTER CHIPS PET RESIN BOTTLE GRADE

聚酯瓶片



百宏聚酯瓶片项目，采用世界最先进的生产工艺，主要产品有：水瓶料、油壶料、热灌装、碳酸料等。在中国和越南均有工厂，其中，中国工厂拥有2条年产70万吨的生产线，为福建省最大瓶级切片生产厂家；越南工厂拥有年产55万吨的生产线，为越南最大瓶级切片生产厂家，产品90%远销欧洲、美洲、日本、韩国及东南亚等地。

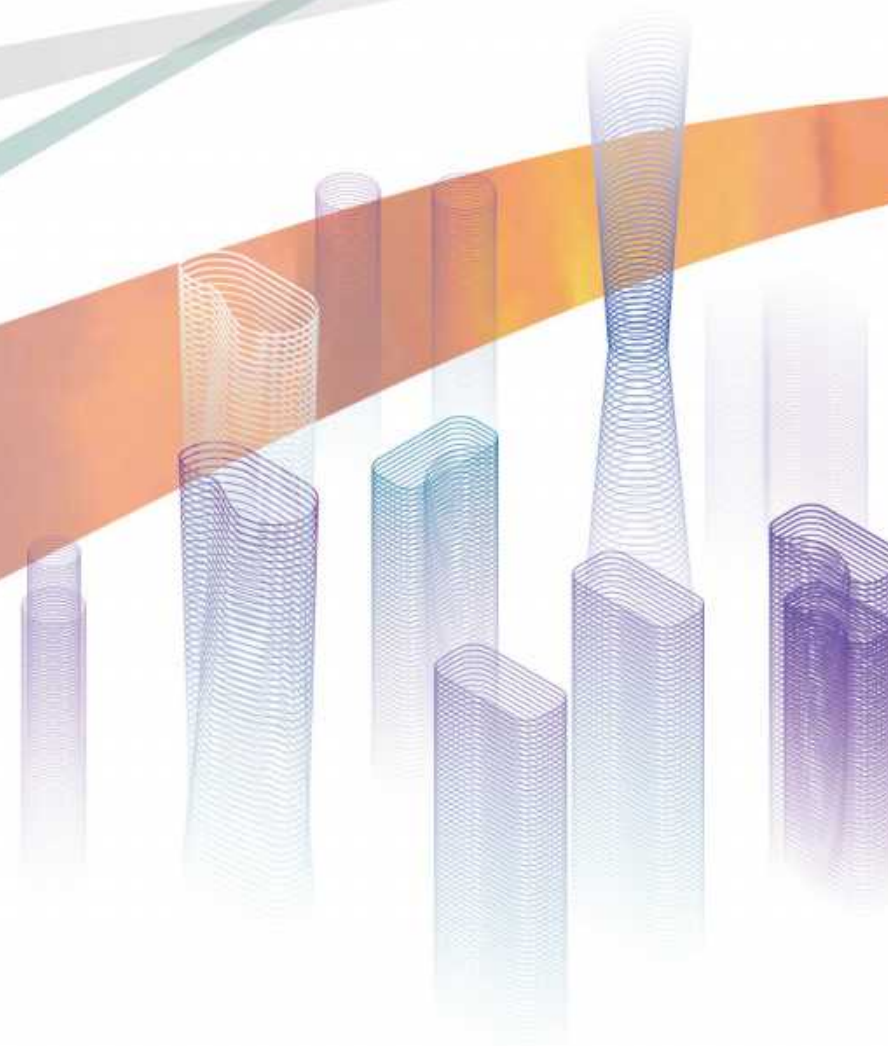
Billion PET resin Project adopts the world's cutting edge technology and successfully launches a series of new products, including PET chips water bottle grade , oil bottle grade , hot-filling bottle grade and CSD bottle grade. Billion Chinese plant has 2 production lines with a total annual capacity of 700,000 tons and is the largest PET bottle-grade manufacturer in Fujian Province, China. Billion Vietnamese plant has a total annual capacity of 550,000 tons and is the largest PET bottle-grade manufacturer in Vietnam, 90% of its products are exported to Europe, America, Japan, South Korea and Southeast Asia etc.

项目		单位	09I01/W	09I03/H	09I02/O	09I05/C
			水瓶片	热灌装	油壶片	碳酸片
特性粘度 (IV)		dL/g	0.80±0.02	0.79±0.02	0.83±0.02	0.87±0.02
乙醛含量AA		ppm	≤1.0	≤1.0	≤1.0	≤1.0
DEG (二甘醇)		%	1.4±0.2	1.2±0.2	1.4±0.2	1.4±0.2
熔点 (M.P)		℃	248±2.0	253±2.0	247±2.0	247±2.0
COOH		mmol/kg	≤28	≤28	≤28	≤28
颜色	L值	-	≥83.0	≥83.0	≥83.0	≥83.0
	B值	-	-0.5~4.0	-0.5~4.0	-0.5~4.0	-0.5~4.0
结晶度 (Crystall-zation)		%	55±5	55±5	55±5	55±5
水分 (Humidity)		%	≤0.2	≤0.2	≤0.2	≤0.2
颗粒外观	灰分ASH	%	≤0.07	≤0.07	≤0.07	≤0.07
	粉末DUST	mg/kg	≤100	≤100	≤100	≤100
异色粒子 (Impurities)		粒/500g	无	无	无	无

The logo features the word "BILLION" in a bold, sans-serif font. The letter "I" is replaced by a stylized globe icon showing the Americas.

未来发展 FUTURE DEVELOPMENT

莫等叶落枯黄，
只为奔赴梦想，
期待在百宏遇见，
共搭百宏巨舰，
一起筑梦远航！



百宏与国内、国际的品牌客户建立长期稳定的合作伙伴关系，产品出口至北美、欧洲、东南亚及南美等地，在全球有2,100多名客户

BILLION have established long-term business relationship with several domestic and abroad famous brands, products are sold to North America, Europe, Southeast Asia, South America and other regions. There are more than 2100 customers across the world.