天宇面料
TIANYU TEXTILE

TIANYU PROFILE
PRODUCT MANUALS

「公司简介及产品手册」

www.tygarment.com

专业印染 专注面料 专心服务

Professional In Dyeing Specializing In Fabric Concentrate In Service

www.tygarment.com

30年专业致力于工装面料生产

QUALITY WORKWEAR FABRICS FOR ALL INDUSTRY SINCE 1989

河南省天宇服装进出口有限公司
HENAN TIANYU GARMENT IMP & EXP CO., LTD

Email: admin@hntytex.com
Tel: +86 373 3695420 Tax: +86 373 3055661
Head Office: 10th Floor, Block B, International Trade Bldg, Pingyuan road, Xinxiang, Henan, China. 453000

CONFIDENCE IN TEXTILES
Tested for harmful substances according to Oeko-Tex® Standard 100

河南·新乡

企业简介

THE STRENGTH OF ENTERPRISES

「天宇面料产品手册」TIANYU PROFILE PRODUCT MANUALS

河南省天宇服装进出口有限公司是一家专业从事研发、生产梭织面料和功能性面料的公司，产品通常用来制作工作服和工装等。公司的主要生产基地设在中国的河南和四川两省，包括两个印染厂和一个后处理厂，生产能力可达每月二百万米以上。

天宇面料的主要产品可分为6组，其中包括100%纯棉面料，100%涤纶面料，T/C面料（棉混纺与涤纶含量>50%），CVC面料（棉混纺与涤纶含量<50%），功能性面料（阻燃面料，防静电面料，抗油拒水面料，防酸碱面料，高能见度面料，抗紫外线面料和涂层面料等），以及印花面料（迷彩面料和绒布面料）。所有面料广泛适用于缝制休闲服，和在几乎所有行业中的工作服及制服。

天宇面料是一家以技术为导向、专业化为基础的企业，提供稳定、安全的生态纺织产品并推向市场。产品已通过环保纺织品标准（OEKO Tex Standard 100）、UL、BV和C-TPAT认证，并达到了GB8965、GB12014、GB12014、GB12012、GB12799、ENISO11611（EN470-1）、ENISO11612（EN531）、ENISO14116（EN533）、ASTMD6413、ASTMF1506、ASTMF1959、NFPA2112、NFPA70E、CFR1615/1616、CPAI84、AATCC22、AATCC130、BS5852、JIS-L-1091、CGSB-155.20-2000、EN13034、EN368、EN1149和IEC61482等标准由SGS、TUV、ITS、BTTG、MTL等国际权威认证机构所承认。

OUR COMPANY

Henan Tianyu Garment Co., Ltd is the Chinese professional manufacturer of specializing in development, production and trade of woven fabrics and functional fabric for casual wears, uniforms, working garments and etc. The main company’s manufacturing facilities are located in two parts of China–Henan Province and Szechwan Province. There are two dyeing factories and one function treatment factory there. Annual production capacity can up to 2,000,000 meters per month.

OUR FABRICS

Tianyu Textiles Fabrics can be divided into 6 groups, containing 100% Cotton Fabrics, 100% Polyester Fabric, T/C Fabric (Cotton blend with Polyester content ＞50%), CVC Fabric (Cotton blend with Polyester content ＜50%), Functional Fabrics which include Flame Retardant Fabrics, Antistatic Fabrics, Waterproof Fabric, Anti–Acid & Alkali Fabric, High–Visibility Fabric, Anti–UV Fabric, Coating Fabric and Printed Fabric which include Camouflage Fabric and Flannel Fabric. All Fabric are suitable for sewing workwear and uniform for almost any industries.

OUR QUALITY

Tianyu Textile is a technology–oriented, specialization–basic enterprise, who provides stable, safety and ecological textile products to the market. Products have passed Oeko–Tex 100, UL, BV, C–TPAT certificate and have reached GB8965, GB12014, GB12014, GB12012, GB12799, EN ISO11611 (EN470–1), EN ISO11612(EN531), ENISO14116 (EN533), ASTM D6413, ASTM F1506, ASTM F1959, NFPA2112, NFPA70E, CFR1615/1616, CPAI84, AATCC22, AATCC130, BS5852, JIS–L–1091, CGSB–155.20–2000, EN13034, EN368, EN1149 and IEC61482 which are approved by SGS, TUV, ITS, BTTG, MTL International Authentication Agency.

企业荣誉
ENTERPRISE HONORS

「天宇面料产品手册」TIANYU PROFILE PRODUCT MANUALS

QUALITY ASSURANCE
企业文化之品质
QUALITY IS TO IMPROVE
THE ENTERPRISE BENEFIT GUARANTEE
质量是提高企业效益的保证

BTTG FIRE TECHNOLOGY SERVICES

BTTG Ref. No: 30/08327/B

Certificate of Test

We hereby declare that the fabric described below has been tested by BTTG Fire Technology Services according to EN ISO 11611: 2007 clauses 6.1, 6.2, 6.5, 6.7 (A1 and A2), 6.8, 6.9, 6.10 and 6.11.2 and achieved the following results:

Clause 6.1 Tensile strength	PASS (Class 1 and 2)
Clause 6.2 Tear strength	PASS (Class 1 and 2)
Clause 6.5 Dimensional change	PASS (Class 1 and 2)
Clause 6.7 Flame spread – Face ignition (A1)	PASS A1 (Class 1 and 2)
Clause 6.7 Flame spread – Edge ignition (A2)	PASS A2 (Class 1 and 2)
Clause 6.8 Impact of spatter	PASS (Class 1 and 2)
Clause 6.9 Heat transfer (radiation)	PASS (Class 1)
Clause 6.10 Electrical resistance	PASS (Class 1 and 2)
Clause 6.11.2 pH value	PASS (Class 1 and 2)

Pre-treatment: Prior to all tests (except 6.11.2) five wash/dry cycles according to ISO 6330: 2012, Procedure 6N (60°C) with tumble drying (Procedure F) (max. 80°C outlet temperature)

The full details of the test(s) and the result(s) are given in our report Ref. 30/08327/2 (dated 2 October 2013)

Description of sample tested:
Red woven fabric, referenced,
TY0215, 100% Cotton flame retardant fabric

Sample submitted by:
Henan Tianyu Garment Imp & Exp Co., Ltd
10th Floor, Block B, International Trade Bldg
Pingyuan Road
Xinxiang City
Henan Province
China
453000

END

Certificate Authorised by: A Didycz, Laboratory Technician
and: L Hughes, Operational Head
Date: 2 October 2013

The declaration in this test certificate applies to the actual sample tested and to the specified tests carried out as detailed in the referenced report(s) detailed above.

BTTG Testing & Certification Ltd. Registered Office: Unit 14, Wheel Forge Way, Ashburton Road West, Trafford Park, Manchester, M17 1EH, United Kingdom. Registered in England No. 4669650

EN ISO 11611

BTTG FIRE TECHNOLOGY SERVICES

BTTG Ref. No: 30/08327/A

Certificate of Test

We hereby declare that the fabric described below has been tested by BTTG Fire Technology Services according to EN ISO 11612: 2008 clauses 6.2.1, 6.3.2, 6.3.3, 6.4, 6.5.1, 6.5.2, 6.9.2 and 7.3 and achieved the following results:

Clause 6.2.1 Heat resistance (at 180°C)	PASS
Clause 6.3.2 Limited flame spread – Face ignition	PASS A1
Clause 6.3.3 Limited flame spread – Edge ignition	PASS A2
Clause 6.4 Dimensional change due to cleaning	PASS
Clause 6.5.1 Tensile strength	PASS
Clause 6.5.2 Tear strength	PASS
Clause 6.9.2 pH value	PASS
Clause 7.3 Radiant heat	LEVEL C1

Pre-treatment: Prior to all tests (except 6.9.2) five wash/dry cycles according to ISO 6330: 2012, Procedure 6N (60°C) with tumble drying (Procedure F) (max. 80°C outlet temperature).

The full details of the test(s) and the result(s) are given in our report Ref. 30/08327/1 (dated 2 October 2013)

Description of sample tested:
Red woven fabric, referenced,
TY0215, 100% cotton flame retardant fabric

Sample submitted by:
Henan Tianyu Garment Imp & Exp Co., Ltd
10th Floor, Block B, International Trade Bldg
Pingyuan Road
Xinxiang City
Henan Province
China
453000

END

Certificate Authorised by: A Didycz, Laboratory Technician
and: L Hughes, Operational Head
Date: 2 October 2013

EN ISO 11612

BTTG FIRE TECHNOLOGY SERVICES

BTTG Ref. No: 2602615B/10/16

Certificate of Test

We hereby declare that the woven fabric described below has been tested by BTTG Electrostatics according to BS EN 1149-3: 2004 Method 2 (induction charging) and achieved the following results:

Shielding Factor	Half Decay Time (s)
0.78	<0.01

Tested after 5 cycles of washing according to BS EN ISO 6330 Procedure 4N: 2001 at 40°C followed by drying Procedure E.

The full details of the test(s) and the result(s) are given in our report Ref. 2602615B/10/16 (dated 23 October 2014)

Description of sample tested: Flame Retardant and Anti-static Fabric
Model Code: TY1069
Product Description: Flame Retardant and Anti-static Fabric
Colour: Dark Blue
Material: 99% Cotton / 1% Anti-static Fiber

Sample submitted by:
Henan Tianyu Garment Imp & Exp Co., Ltd
10th Floor, Block B, International Trade Bldg,
Pingyuan Road,
Xinxiang City,
Henan Province,
China

Certificate Authorised by:
and:
Date: 25/10/14

BS EN 1149-3

CERTIFICATE of Conformity

TÜV

Registration No.: AK 60016787 0001
Report No.: 21127943 001

Holder: Henan Tianyu Garment Co., Ltd
East PingyuanRoad XinxiangCity Henan Province
453003 China

Product: Textiles
textiles for workers clothing exposed to heat

Identification: fabric 0001
10/3x10 satin weave, 350g/m², 100% Cotton, colour orange
performance levels according to EN 531 clause 6.3, 6.3, 6.4: A, B2, C1
annex: sealed material sample

Tested acc. to: EN 531/A1:1998

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Certification Body

Cologne, 08.01.2007

Dipl.-Ing. (FH) E. Wallmann

TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln

EN ISO 531

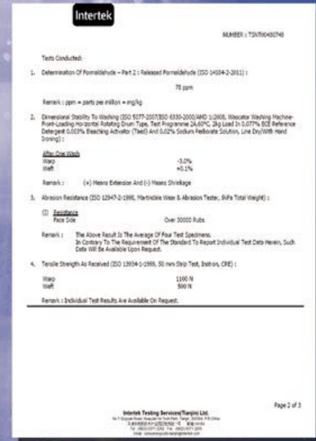
SGS

Test Report

Signed for and on behalf of SGS-CSTC Ltd.

Rita Niu

COLOR FASTNESS



Intertek

Tests Conducted:

1. Determination Of Formaldehyde – Part 2 : Released Formaldehyde (ISO 14184-2-2011) :

78 ppm

Remark : ppm = parts per million = mg/kg

2. Dimensional Stability To Washing (ISO 5077-2007/ISO 6330-2000/AMD 1:2008, Wascator Washing Machine-Front-Loading Horizontal Rotating Drum Type, Test Programme 2A,60°C, 2kg Load In 0.077% ECE Reference Detergent 0.003% Bleaching Activator (Taed) And 0.02% Sodium Perborate Solution, Line Dry/With Hand Ironing) :

After One Wash
Warp -3.0%
Weft +0.1%

Remark : (+) Means Extension And (-) Means Shrinkage

3. Abrasion Resistance (ISO 12947-2-1998, Martindale Wear & Abrasion Tester, 9kPa Total Weight) :

(I) Resistance
Face Side Over 30000 Rubs

Remark : The Above Result Is The Average Of Four Test Specimens.
In Contrary To The Requirement Of The Standard To Report Individual Test Data Herein, Such Data Will Be Available Upon Request.

4. Tensile Strength As Received (ISO 13934-1-1999, 50 mm Strip Test, Instron, CRE) :

Warp 1100 N
Weft 500 N

Remark : Individual Test Results Are Available On Request.

Page 2 of 3

Intertek Testing Services(Tianjin) Ltd.

Test report of formaldehyde, Shrinkage and tensile

Certificate

TÜVRheinland

Certificate no. CN 37305265 01

License Holder:
Henan Tianyu Garment Imp & Exp Co., Ltd
8Fl. 10th Fl. Block B. Int'l Trade Bldg. Pingyuan Rd.
Xinxiang 453000
China, P.R.C.

Test report no.: CNHN-ARC 12040524 800 Client Reference: 3730212368/HTY
Tested to: see test report

Certified Product: Textile

Type Designation: TY372/65% poly 35% cotton Fabric.
Colour: Fluorescent Orange (acc. to BS EN 343:2003+A1:2007)

Remark:
BS EN 343:2003+A1:2007 Clause 5.1 without seams (Class 3)
-Water penetration resistance
BS EN 343:2003+A1:2007 Clause 5.2 (Class 2)
-Water-Vapour resistance
for details refer to test report No.113122557.

Licensed Test mark: Signature: Dipl.-Ing. F. Stoelzel
Date of Issue: 24/10/2012

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

BS EN 343

Finnish Institute of Occupational Health

Testing of Protective Clothing Material

Testing of Protective Clothing Material

Test item: 80% PES 20% COTTON 21*21 124*69 woven fabric -fluorescent orange

Type: High-visibility warning clothing for professional use

Customer: Henan Tianyu Garment CO., LTD
10th Floor Block B Internation Trade Bldg
Ping yuan Road
Xinxiang City
Henan 453000
China

Applied method: EN 471:2003+A1:2007

Erkki Rajamäki, Research Engineer
Senna Karkkula, Research Engineer

FINAS

EN ISO 20471

CERTIFICATE

TESTEX AG, Swiss Textile Testing Institute

The company
Henan Tianyu Garment Import & Export Co., Ltd.
CN - 453000 Xinxiang City

is granted authorisation according to Oeko-Tex® Standard 100 to use the Oeko-Tex® mark, based on test report BEWO 091679.1

CONFIDENCE IN TEXTILES
Tested for harmful substances
according to Oeko-Tex® Standard 100
BEWO 084394 TESTEX

for the following articles:

Woven fabric made of 100% cotton, cotton/polyester, cotton/polyester/carbon (with anti-static function), dyed (with vat, disperse and reactive dyestuffs) and finished (including water-, oil-, fouling-repellent and crease-resistant finishing), partly finished with flame retardant products accepted by Oeko-Tex® (based on materials pre-certified according to Oeko-Tex® Standard 100)

This authorisation is valid until 27.01.2016

Zurich, 12.01.2015

OEKO TEX STANDARD 100

传统染色梭织面料
Plain Dyed Woven Fabric

FABRIC COMPOSITIONS: 100% Cotton, Polyester/Cotton & 100% Polyester
FEATURE: Twill, Poplin, Lining, Canvas, Ribstop, Satin
FABRIC WIDTH: 58/60" 148-150 cm
COLOR RANGE: Basic color shade
SHRINKAGE (AFTER FIVE TIMES WASHING): ≤3% IN 60° C
COLOR FASTNESS: Washing Class 4.0 as per ISO 105 C06
Color stability, Sunlight Class 4.0 as per ISO 105 B02
INDUSTRIAL LAUNDERING: More than 50 times
QUALITY CERTIFICATION: - OEKO Tex Standard 100
- REACH
QUALITY STANDARDS: -European Standards
USAGE: Coveralls, Overalls, Garments, Workwear, Jackets, Pants, Shirts

特种面料及后整理
SPECIAL FABRIC & FUNCTIONAL TREATMENTS

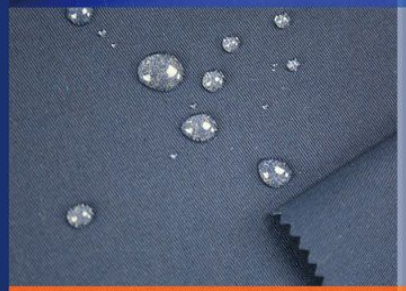
QUALITY ASSURANCE
企业文化之品质
QUALITY IS TO IMPROVE
THE ENTERPRISE BENEFIT GUARANTEE
质量是提高企业效益的保证

Flame Retardant Fabric
阻燃面料

More resistant to fire than others through chemical treatment or manufactured fireproof fibers

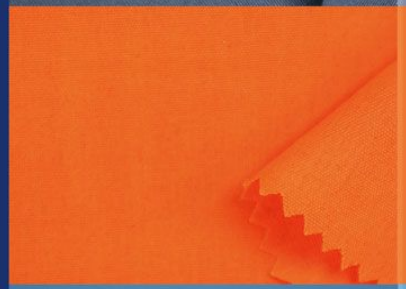
Antistatic Fabric
防静电面料

Prevent demage fires and explosions when working with flammable liquids or gases



Water/Oil/Acid/Alkali Proof Fabric
防油拒水面料

More retardant to liquid via chemical agents or coating treatments



Fluorescent Fabric
荧光面料

Highly reflective properties that is easily discernible from any background

Anti-Mosquito/ Bacterial Fabric
防蚊虫/防菌面料

Putting on chemical that destroys mosquitoes or bacteriaes their growth or their ability to reproduce

Brushed Fabric
起绒面料

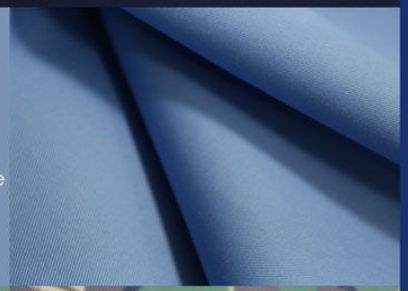
Remove all excess lint and fibers from the fabric leaving an ultra soft and smooth finish

High Temperature Washing Resistant Fabric
抗高温洗涤面料

Letting fabric could be washed by industrial laundering in 90° C or higher water without any color fading

Wrinkle Free Fabric
防皱面料

Via some treatment such as Resin finishing so that make fabric has wrinkle resistant performan and durability



Camouflage Fabric
迷彩面料

Used by soldiers and hunters so they could blend into outdoor environments without being seen

Pattern Printed Flannel Fabric
印花法兰绒面料

Soft woven fabric, of various fineness, often with a plaid or tartan pattern and other pattern designs

Medical Unifom

Military Uniform

Chef Uniform

Casual Wear & Shirts

USED FOR

Pants

Workwear & Uniform

Functional Clothing

High Visibility Overall

主要产品目录

MAIN PRODUCTS CATALOG

「天宇面料产品手册」TIANYU PROFILE PRODUCT MANUALS

QUALITY ASSURANCE
企业文化之品质
QUALITY IS TO IMPROVE THE ENTERPRISE BENEFIT GUARANTEE
质量是提高企业效益的保证

Component	Yarn Count	Density	Weight	Style	Width
T/C (65/35) & (80/20) & (90/10)	45*45	110*76	95gsm	Plain	58/59" 150cm
		133*72	105gsm		
		133*100	120gsm		
	23*23	88*64	155gsm		
	21*21	100*55	165gsm		
	23*23	118*58	175gsm	Twill	58/59" 150cm
	21*21	108*58	185gsm		
	20*20	108*58	200gsm		
	21*21	124*69	210gsm		
	14*14	80*52	220gsm		
	20*16	120*60	240gsm		
	16*12	108*56	270gsm		
	10*10	72*44	280gsm		
	10*10	80*46	300gsm		
	16*16	96*48	215gsm	Ripstop Plain	58/59" 150cm
	20*16+70D	99*40	235gsm	Twill Spandex	58/59" 150cm
		120*60	240gsm		
100% Cotton & CVC 60/40	32*32	78*65	110gsm	Plain	57/58" 148cm
	21*21	100*53	170gsm		
	20*20	100*55	180gsm		
	32*32	130*70	145gsm	Twill	57/58" 148cm
	30*30	130*70	155gsm		
	21*21	108*58	185gsm		
	20*20	108*58	200gsm		
	14*14	80*52	225gsm		
	20*16	128*60	235gsm		
	16*12	96*48	250gsm		
	10*10	68*38	260gsm		
	16*12	108*56	270gsm		
	10*10	72*44	280gsm		
	10*10	80*46	300gsm		
	10*7	68*38	320gsm		
	14*10	84*56	250gsm	4/1 Twill Satin	57/58" 148cm
	14*10	99*47	265gsm		
	16*10	88*56	290gsm		
	20*16+70D	99*48	230gsm	Twill Spandex	57/58" 148cm
		124*69	210gsm		
	32/2*16	94*48	200gsm	Canvas Plain	57/58" 148cm
	21/2*10	72*40	265gsm		
	10*10	72*40	265gsm		
	16+16*12+12	108*56	290gsm		
	12/2*10/2	43*32	340gsm		
	24*13	40*42	120gsm	Flannel Plain	57/58" 148cm
	20*10	42*44	165gsm		
	20*20	98*56	180gsm	Plain Ripstop	57/58" 148cm
	20*16	100*53	200gsm		

SPECIAL FUNCTIONAL TREATMENT

- ✓ Flame-Retardant Treatment
- ✓ TEFLON Treatment
- ✓ Chorine Bleaching Resistant Treatment
- ✓ Absorbent Moisture Treatment
- ✓ Water & Oil-Proof Treatment
- ✓ Anti-Acid & Alkali Treatment
- ✓ Anti-Pilling and Wrinkle-Free Finish
- ✓ Anti-Mosquito Treatment