

HONGDATEX[®]
Leading Outdoor Fabric Manufacturer Since 1995

BAG FABRICS

户外包袋功能性面料

Engineered Outdoor Bag
Systems for Premium
OEM/ODM Programs

面向高端OEM/ODM生产的
户外包袋系统



“ We don't sell fabric,
we are a full-process manufacturer that
transforms fabrics into controllable engineering systems.”

“ 我们不只卖布，我们是让面料变成可控工程系统的全流程制造商。”

A handwritten signature in black ink, which appears to be "张震" (Zhang Zhen), the name of the company's founder.



Product Use

面料应用场景 / 包袋



Casual Bag 休闲包



Outdoor Hiking Backpack 户外登山包



Travel Bag 旅游包



Pet Carrier Bag
宠物携带包



Tool Bag 工具包



Why Outdoor Bags are **Risk-Sensitive** Products?

为什么户外包袋是高风险品？

Bag products are not “fabric products”.
They are high-risk, highly engineered outdoor systems.
包袋不是“布料产品”，它是一个高风险、强工程属性的户外系统。

Tearing : We Can Prevent Tearing

我们能解决撕裂

Tearing Risk Chain / 撕裂失效链 ▼

Tearing = stress concentration → initial crack formation → tear propagation.

撕裂 = 承力集中 → 初裂口出现 → 撕裂扩散。



HongdaTEX Technical Chain / 技术链 ▼



Material Chain
材料链

- High-Toughness HT-Polyester
高强度涤纶 (600D / 900D / 1680D)
- Delayed Tear Propagation
延缓撕裂扩散



Coating Chain
涂层链

- PU / TPU Flexibility
PU/TPU柔韧性
- Stable Coating Thickness
涂层厚度稳定



Process Chain
工艺链

- Batch Tear Strength Testing
批次撕裂强度检测 (ASTM D1424)
- Cross Validation
(Cold Crack / Flex / Abrasion)
交叉验证 (冷脆 / 折弯 / 耐磨)

HongdaTEX Solution Chain / 解决链 ▼

1 High-Strength Base Fabric
高强度基布

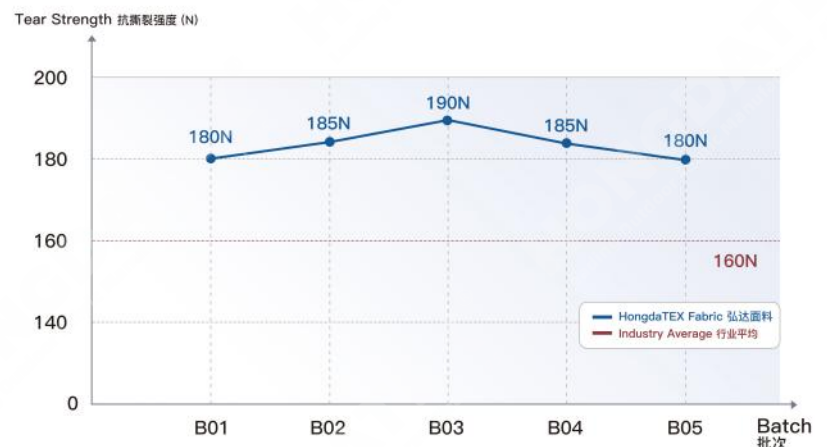
2 Coating Adhesion
涂层贴合度

3 Tear Validation
撕裂验证

Eliminate bag tearing risks at the source with stable load-bearing strength, no tear propagation, no yarn breakage at low temperatures, and consistent batch performance.

从源头切断包袋撕裂风险承力强度稳、撕裂不扩散、低温不爆纱、批次不波动。

Scatter Plot of Tear Strength (ASTM D1424)
批次撕裂强度



Coating Peeling

我们能解决涂层掉皮

Coating Chain / 涂层失效链 ▼

Bag coating failure = peeling + powdering + insufficient peel strength + low-temperature cracking.
包袋涂层失效 = 掉皮 + 粉化 + 剥离强度不足 + 低温折裂。



HongdaTEX Technical Chain / 技术链 ▼



Material Chain
材料链

- Flexible Coating System
柔性涂层体系
- Eco-Friendly PU / PVC,
Free of DMF / Phthalates
环保PU/PVC, 不含DMF/邻苯



Process Chain
工艺链

- Three-Stage Oven Temperature Control
烘箱温度三段锁定
- Uniform Coating Thickness
涂层厚度均匀



Quality Chain
质量链

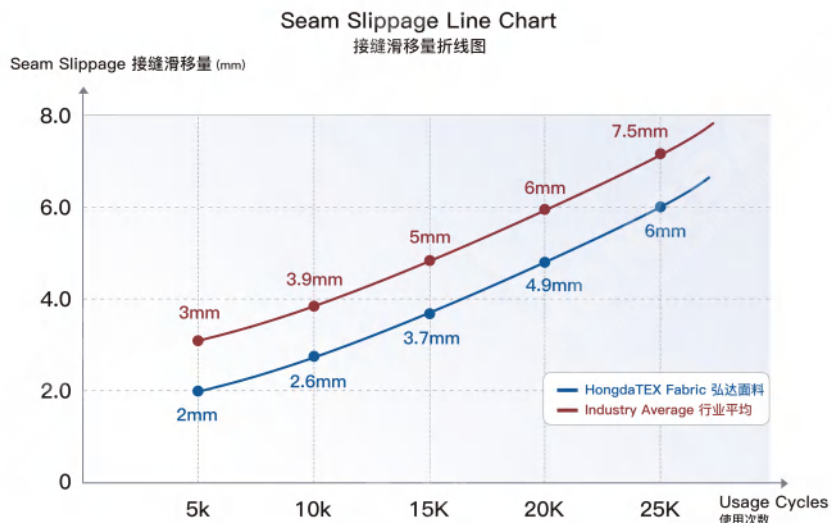
- Peel Strength Testing
剥离强度测试
- Seam Strength Testing
车缝强度测试

HongdaTEX Solution Chain / 解决链 ▼

- 1 Eco-Friendly PU/TPU Material System
环保PU/TPU材料体系
- 2 Locked Coating Thickness
涂层厚度锁定
- 3 Peel / Cold Flex Testing
剥离/低温折弯

HongdaTEX has completely solved industry-wide issues such as peeling, powdering and low-temperature cracking in bag coatings.

HongdaTEX通过三段证据链, 彻底解决包袋涂层掉皮、掉粉与低温开裂的行业难题。



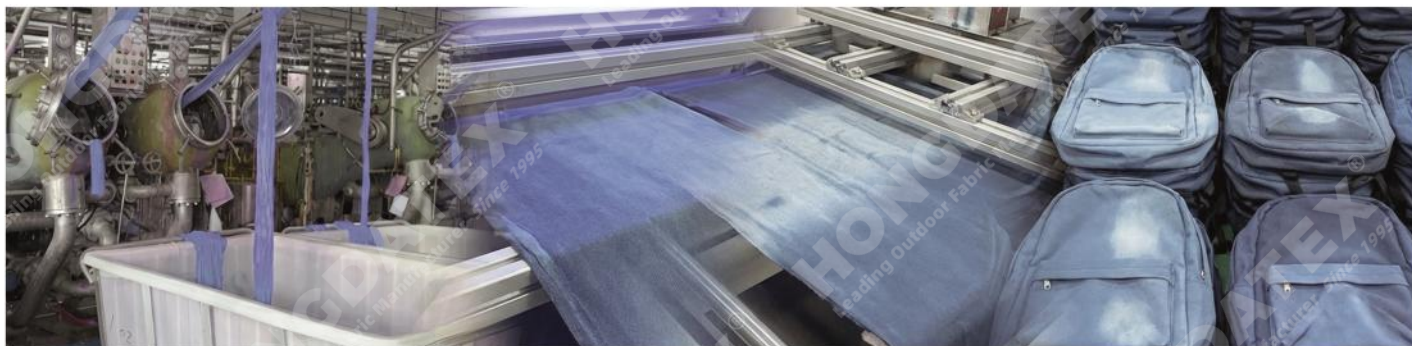
Color Deviation

我们能解决色差

Color Deviation Risk Chain / 色差失效链 ▾

Color deviation = dye fluctuations → coating thickness variation (reflection differences) → UV fading + abrasion color loss → unstable batch ΔE .

色差 = 染料波动 → 涂层厚度波动(反射差) → UV(褪色)+摩擦(掉色) → 批次 ΔE 不稳。



HongdaTEX Technical Chain / 技术链 ▾



Material Chain
材料链

- Single-Batch Yarn Supply
单纱批供应
- Colorant Masterbatch Control
统一色母体系



Process Chain
工艺链

- Component Color Matching
不同部件统一对色
- Sampling & Color-Matching Process
Locking (Anti-Croaking Process)
加样 + 对色流程锁定



Quality Chain
质量链

- UV & Crocking Testing
紫外线和耐摩测试
- Batch ΔE Control ≤ 1.0
批次 ΔE 色差控制 ≤ 1.0

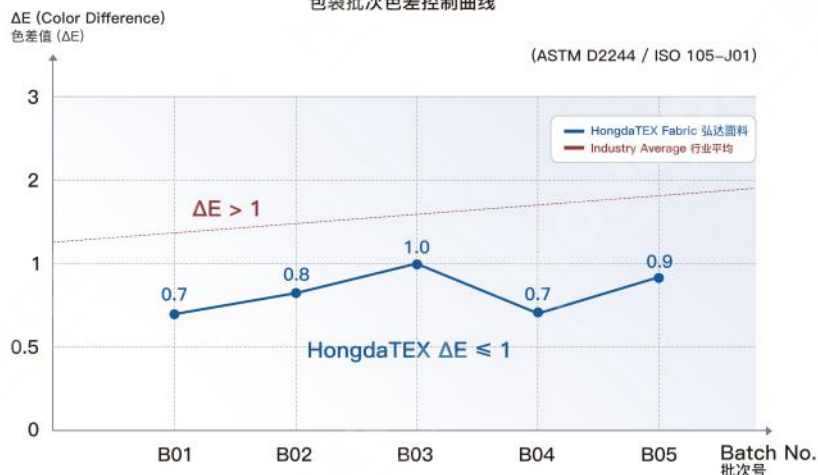
HongdaTEX Solution Chain / 解决链 ▾

- 1 Outdoor-Grade Dyes
户外级染料
- 2 Full-Chain Abrasion / Perspiration Testing
摩擦/汗液全链测试
- 3 $\Delta E \leq 1$ Batch Control
 $\Delta E \leq 1$ 批次控制

Through a three-layer evidence chain, HongdaTEX ensures long-term, stable color fastness performance for bag fabrics under all usage conditions.

HongdaTEX通过三段证据链, 确保包袋面料在任意场景下保持长期稳定的色牢度表现。

ΔE vs Batch Curve
包袋批次色差控制曲线



Structural Resilience

我们能解决结构回弹

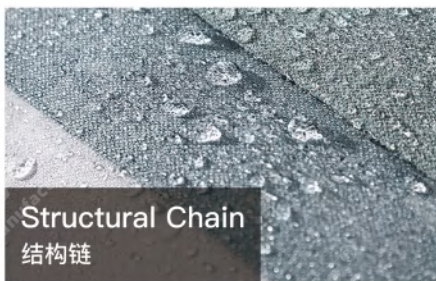
Structural Resilience Risk Chain / 结构回弹失效链 ▾

Poor bag structural resilience = insufficient yarn elasticity + weak density support + unstable heat-setting → easy collapse, poor crease recovery, and reduced perceived quality.

包袋结构回弹差 = 纱线弹性不足+密度支撑弱+定型不稳定 → 容易塌陷、难以恢复折痕、档次感下降。



HongdaTEX Technical Chain / 技术链 ▾



Structural Chain
结构链



Process Chain
工艺链



Quality Chain
质量链

- Backing / Coating Structural Support
背胶/涂层结构支撑
- Fabric Thickness & GSM Ratio Optimization
织物厚度与GSM比例调优

- Heat-Setting Temperature Locking
热定型温度锁定
- Coating Formula Locking
涂层配方锁定

- Crease Recovery Test
折痕恢复测试
- Shape Retention Under Load Test
承载变形测试

HongdaTEX Solution Chain / 解决链 ▾

- 1 Coating Structural Support
涂层结构支撑
- 2 Locked Heat-Setting Parameters
定型参数锁定
- 3 Crease / Deformation Testing
折痕/形变实测

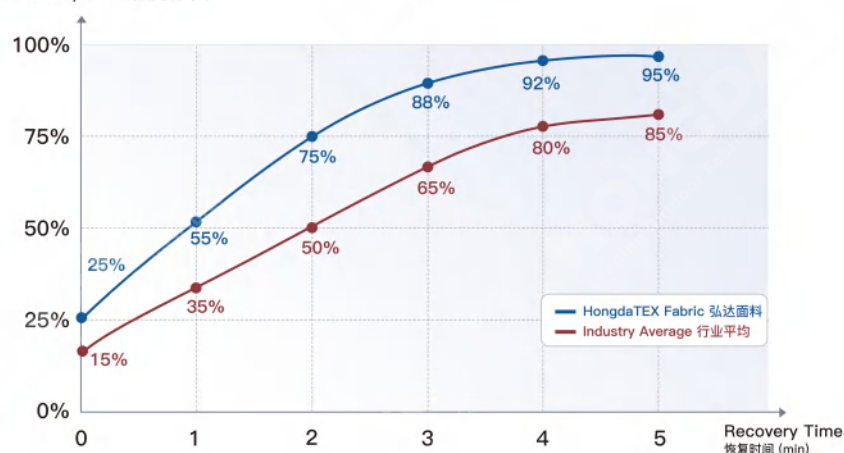
HongdaTEX ensures that bag fabrics maintain a premium appearance with long-lasting firmness, no collapse, and rapid resilience.

HongdaTEX通过三段证据链，确保包袋面料长期保持挺括、不塌陷、快速回弹的高端外观表现。

Crease Recovery Curve

折痕恢复曲线

Recovery Rate 折痕恢复率 (%)



How We Ensure Stable Quality

我们如何保证质量稳定

We operate a well-equipped in-house testing center capable of conducting precise testing across multiple performance criteria.

All key performance tests are carried out in accordance with internationally recognized standards, ensuring quality control throughout the entire process.

我们拥有设备齐全的内部检测中心，能够对产品做多种项目的精确检测，所有关键性能测试均按照国际公认标准进行，全程检测，把控品质。



Water Pressure Resistance Tester
耐水压测试仪



Electronic Fabric Strength Tester
电子织物强力机



Friction Color Fastness Tester
摩擦色牢度仪



Digital Elmendorf Tearing Tester
织物撕裂测试仪



Double-Beam Color Spectrophotometer
双光束分光测色仪



Formaldehyde Meter
甲醛测定仪



Fabric Flame Retardant Tester
织物阻燃性能测试仪



Shrinkage Testing Oven
缩水率烘箱

How We Ensure Supply Chain Stability

我们如何保证供应链的稳定性



Weaving 织造



Dyeing 染整



Coating 涂层



Testing Lab 实验检测



Warehouse 仓库

From Yarn to Finished Fabric, One-stop Full-process Manufacturer

织造，涂层，印染，一体化全流程制造商

Outsourcing
= 0%
零外包

OTIF
≥ 95%
准交率 ≥95%

Coating &
Heat-Setting
Lines
涂层&定型产线

100%
Production
Line Control
产线控制力100%

Solution Dyeing Technology

原液着色技术

We adopt advanced solution-dyed fabric technology, which completes dyeing and color locking at the fiber stage. This enables the fabric to remain durable and stable in performance even in harsh outdoor conditions such as high temperature and humidity.

我们采用先进原液着色面料技术，纤维阶段即完成着色锁色，让面料在高温潮湿等复杂的户外环境下，依旧持久耐用、性能稳定。



Solution Dyeing Technology vs. Conventional Dyeing / 原液着色技术相比于普通染色

- **Superior UV & Color Fastness**
Meets high AATCC/ISO standards, ensuring long-lasting fade resistance
卓越抗紫外线与色牢度，满足 AATCC/ISO 行业高标准，户外强光下长效抗褪色
- **More Stable Waterproofing Base**
Anti-aging yarns provide stronger coating adhesion for durable waterproofing
更稳定的防水基底，纱线抗老化，为后道涂层提供更强附着力，防水更持久
- **Service Life Doubled**
Enhanced weather resistance drastically slows fabric degradation in extreme environments.
使用寿命翻倍，综合耐候性跃升，极端环境下物理强力衰减极慢

Eco-Textile

环保面料

HongdaTEX is committed to responsible and sustainable textile solutions.

All fabrics we supply are safe, eco-friendly, and non-toxic, and are free from harmful, allergenic, and carcinogenic substances.

弘达致力于负责任的环保与可持续面料开发，
我们所提供的面料安全、环保、无毒，
不含有害、致敏及致癌物质。



Our environmental compliance goes beyond certificates—it is built on a traceable chain of evidence: TC-based batch traceability, REACH SVHC testing, and **PFAS-Free** control verification, ensuring every delivery remains continuously compliant.

我们的环保合规不止于证书，更在于可追溯的证据链：

TC 批次追溯、REACH SVHC 检测、**无氟**管控验证，确保每一批交付持续合规。

Third-party Testing Supported



第三方检测认证

Our fabrics are tested and verified by SGS laboratories, meeting international testing standards from raw materials to finished fabrics. Rigorous evaluation ensures consistent quality, safety, and performance you can rely on.

我们的面料经 SGS 实验室检测与验证，从原材料到成品均符合国际检测标准，通过严格测试，确保每一块面料在品质、安全性及稳定性上的可靠表现



SVHC Test Report
(249 Substances, EU REACH)
欧盟 REACH SVHC 249 项检测报告

Total Fluorine Screening Test
总氟筛查测试报告

Formaldehyde Test Report
甲醛测试报告



RoHS Heavy Metal Test — Cadmium (Cd)
RoHS重金属测试-镉(Cd)

pH Value Test Report
pH值测试报告

Organotin Compounds Test Report
有机锡化合物测试报告

Product Innovation

产品创新

We go beyond fabric supply to offer tailored fabric design solutions. From product concept to application needs, we integrate structure, performance, and aesthetics to create fabric solutions aligned with your product vision.

我们不仅提供面料，更为您设计面料，
从产品理念到应用需求，我们将结构、性能与美学相结合，为客户打造契合产品定位的面料解决方案。



We are committed to leading the industry forward through continuous product innovation. Our R&D team is always focused on market demands, combining the latest technologies to introduce high-performance fabrics that align with future trends.

弘达致力于通过持续的产品创新，引领行业的前沿发展，我们的研发团队始终关注市场需求，结合最新科技，推出符合未来趋势的高性能面料。



HongdaTEX Designer
弘达面料设计师

Why HongdaTEX?

为什么选择弘达？



30 years of consistent service and product delivery

从服务到产品交付，我们30年来始终如一



Full Supply Chain Capability

全产业链能力

Engineering Standards

工程化标准

Stable Delivery System

稳定交付体系



Why We are Trustworthy?

我们为什么值得信赖？



01 30+ Years Manufacturing Experience
30多年制造经验的工厂



02 Advanced Testing Labs Ensure Quality
先进实验室确保质量



03 Partnership with Global Top 100 Enterprises
全球百强企业供应合作

04 Featured by CCTV
央视报道

Global Compliance & Credibility Framework

全球合规与信誉背书体系



B1 – Emerald Grid 200D PVC (低铅环保系列)

Engineering Story 技术故事

A lightweight solution designed for daily commute bags, featuring low-lead processing to ensure health and safety during everyday use. While maintaining a solid 575g feel, the green triple-grid pattern injects a unique vintage trend into urban travel.

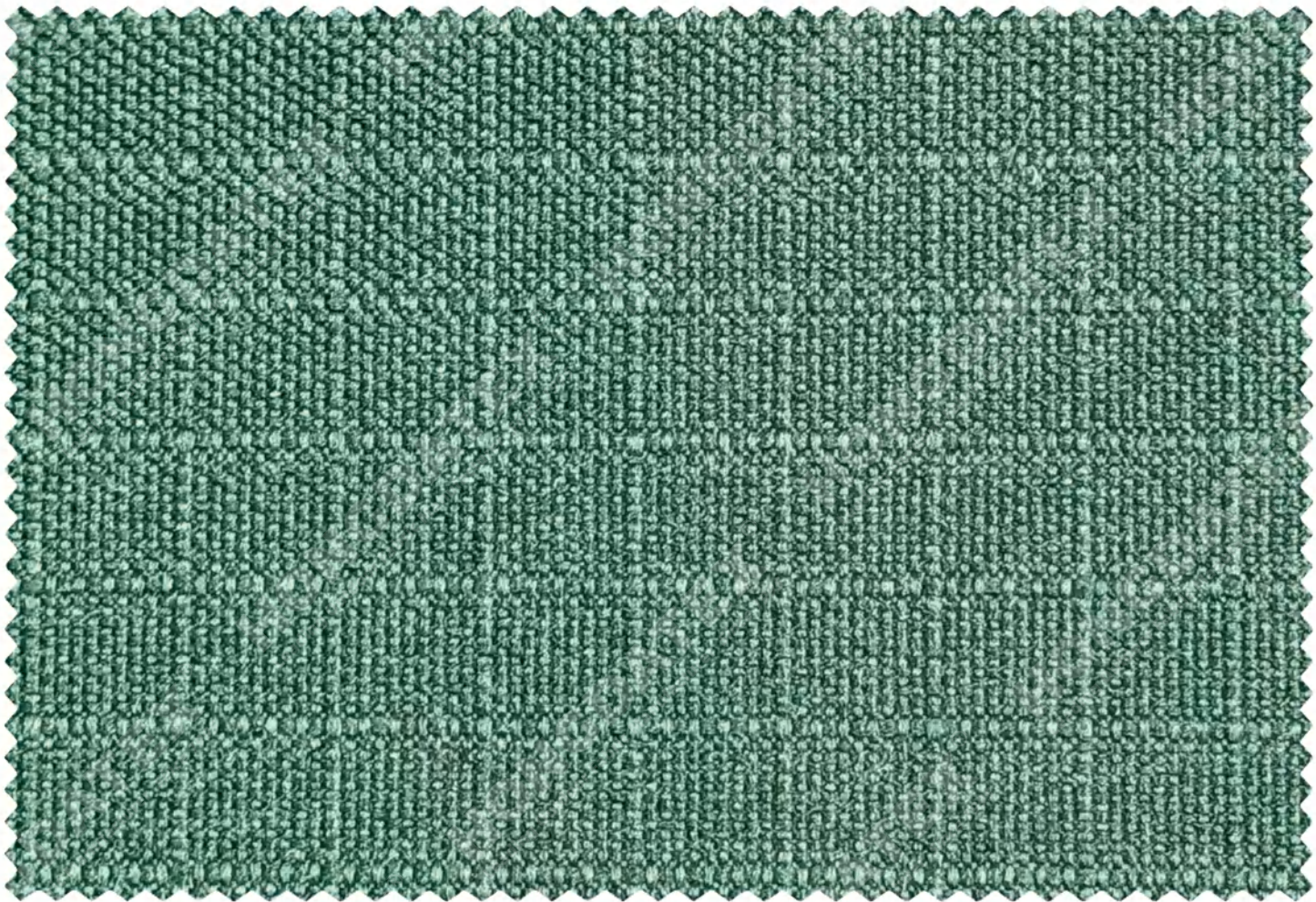
专为轻便型通勤包设计的环保方案，低铅工艺确保了日常背负的健康安全。
在保持575g扎实手感的同时，绿色三线格纹为都市出行注入了独特的复古潮流感。



Lead Content 铅含量	≤ 90ppm
Tear Strength 撕裂强力	≥ 65N
Fabric Weight 面料总重	575g/m ²

100% Fabric Customization 支持100%面料定制

HD-DT-0064-PVC



B2 – Khaki Shield 400D PVC (无氟防水系列)

Engineering Story 技术故事

The high–strength 400D weave provides excellent tear resistance for business briefcases, keeping them crisp and shaped even during frequent travel. The fluorine–free waterproof technology protects valuables from sudden rain while fulfilling green commitments.

400D的高强度织造为商务公文包提供了卓越的抗撕裂保护，即便频繁穿梭于差旅途中也依旧挺括。无氟防水技术的应用，在保护包内贵重器材免受突发雨淋的同时，更践行了绿色环保的承诺。



Eco–Friendly DWR
环保防水，无氟配方

C0 Fluorine-free

Spray Rating (AATCC 22)
防泼水等级

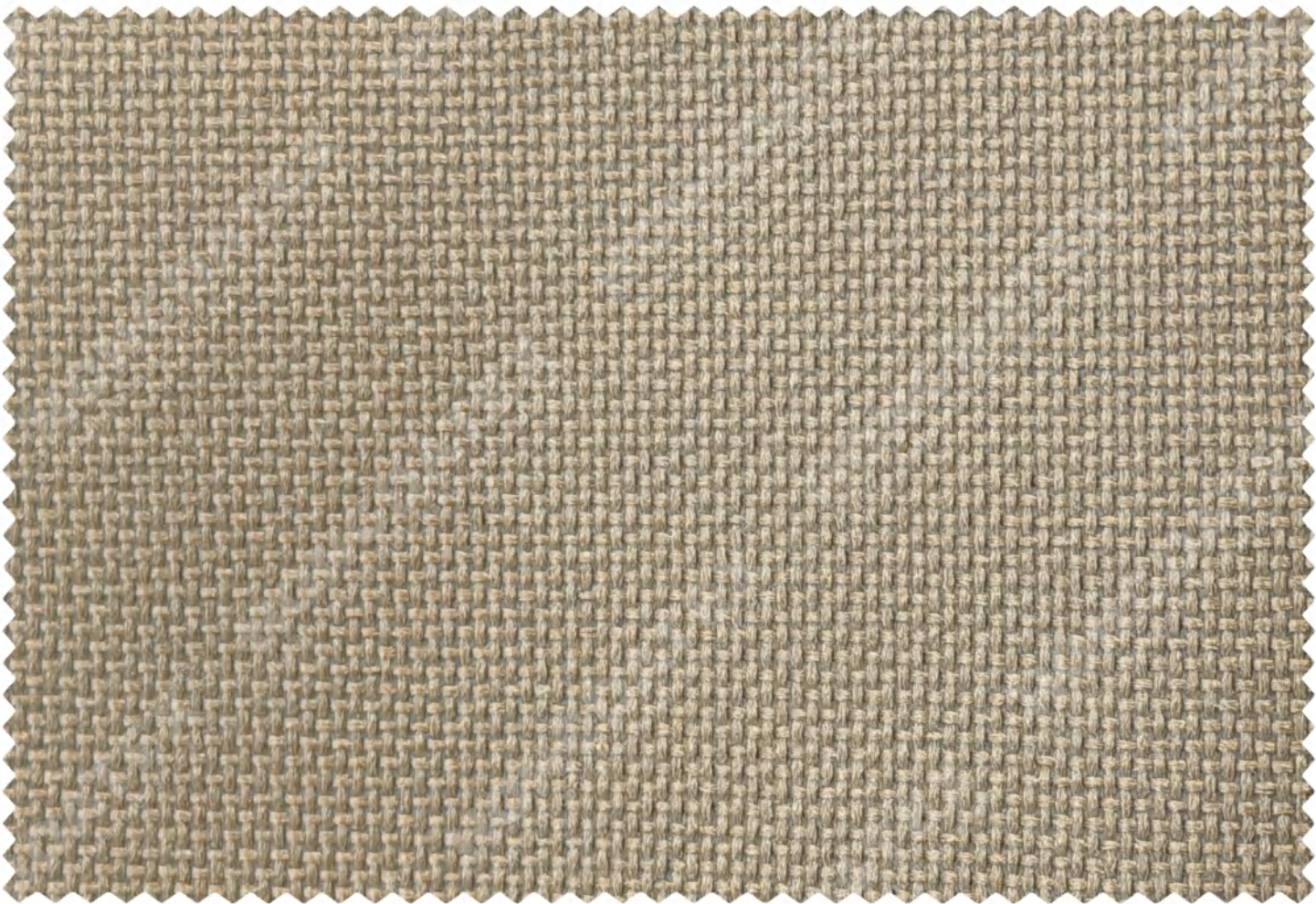
Grade 4

Light Fastness (ISO 105–B02)
耐光色牢度

Grade 4

100% Fabric Customization 支持100%面料定制

HD-DT-0103-PVC



B3 – EcoDeep 600D PU (RPET循环再生系列)

Engineering Story 技术故事

By combining RPET recycled fibers with advanced TPU coating and optimized processing, the fabric achieves color fastness far beyond conventional standards, striking a perfect balance between sustainability and high-performance for travel bags.

采用RPET再生纤维搭配高级TPU涂层，通过工艺优化实现了远超传统的色牢度，是可持续时尚与高性能旅行包结合的典范。



Sustainability (GRS certified)
可持续性，通过GRS认证

100% RPET Yarn

Abrasion Resistance
耐磨性

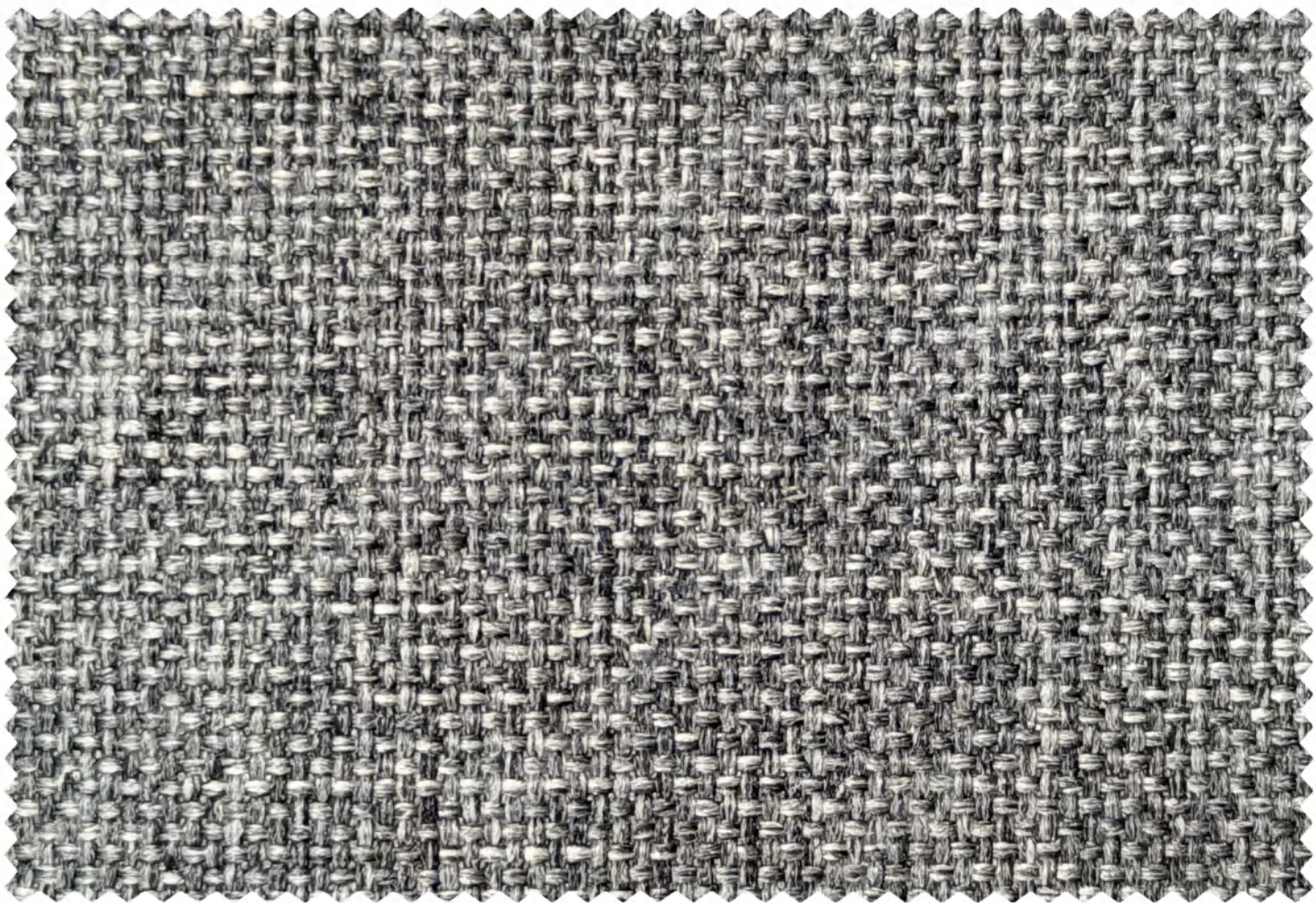
≥ 60000 Cycles

Chemical Safety
化学安全

Pass New EU Standard

100% Fabric Customization 支持100%面料定制

HD-DT-0069-PU



B4 – Blue Diamond 250D PVC (幻影菱格系列)

Engineering Story 技术故事

The unique large diamond texture provides a highly recognizable visual signature for sports and leisure bags. The lightweight 250D specification combined with a PVC reinforced layer significantly reduces the carrying burden while granting the bag excellent tensile strength.

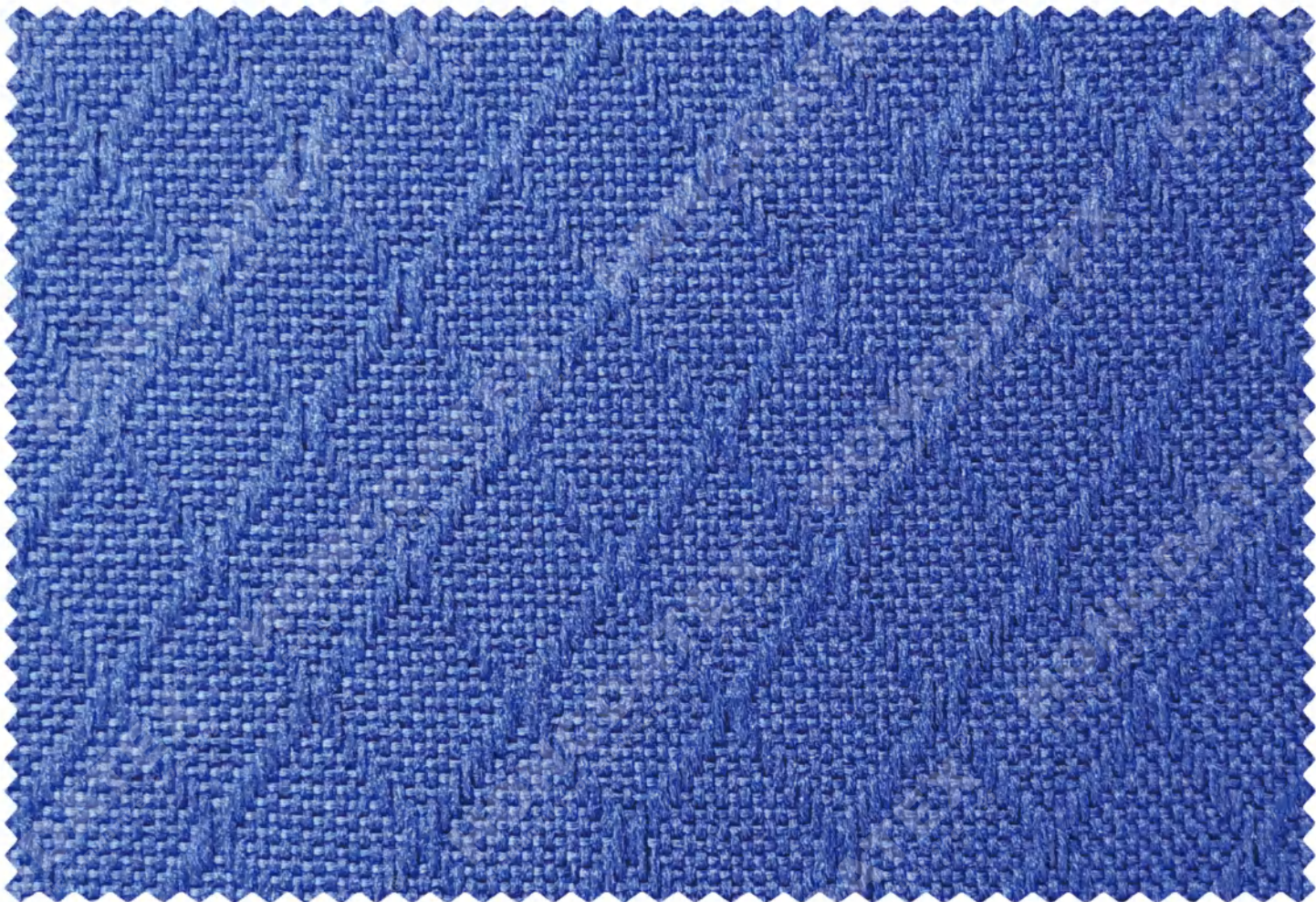
独具匠心的大菱形格纹理，为运动休闲包提供了极具辨识度的视觉标签。
轻盈的250D规格结合PVC强化层，在显著减轻背负负担的同时，也赋予了箱包出色的抗拉伸性能。



Color Deviation ΔE 色差 ΔE	≤ 1.2
Fabric Weight 面料克重	400g/m ²
Color Standard 色彩标准	Pantone 19-3952

100% Fabric Customization 支持100%面料定制

HD-DT-0080-PVC



B5 – Marine Pro 900D PVC (重型托运系列)

Engineering Story 技术故事

With robust 900D fabric specifications and all-around waterproofing, it is the ideal choice for long-distance haulage and harsh environments. The deep marine blue combined with a dense coating provides a solid abrasion barrier for professional hiking packs or checked luggage.

凭借强大的900D织物规格与全方位防水功能，它是应对长途搬运与严苛环境的理想之选。
深邃的海蓝色泽结合致密涂层，为专业登山包或托运袋提供了坚实的耐磨屏障。



Water Repellency
防泼水等级

Grade 4

Puncture Resistance
抗穿刺力

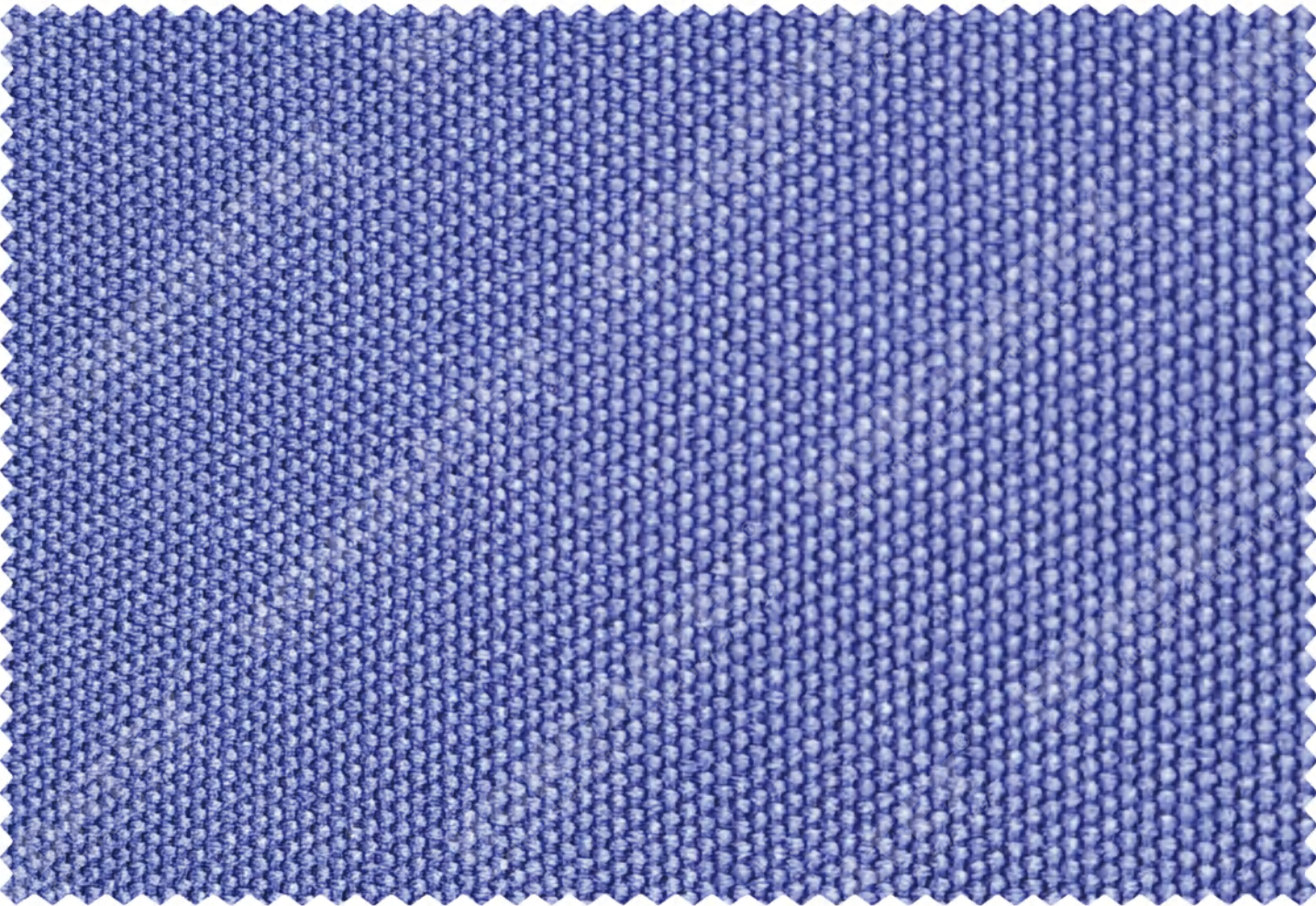
≥ 60N

Fiber Density
纤维细度

900*750D High Tenacity

100% Fabric Customization 支持100%面料定制

HD-DT-0015-PVC



B6 – Onyx Titan 1200D PVC (超强耐磨系列)

Engineering Story 技术故事

Boasting an impressive weight of 770g, this 1200D specification fabric represents the pinnacle of luggage durability. Built for extreme adventure gear, its ultimate tear resistance and color fastness allow it to withstand any friction or impact, remaining as tough as ever.

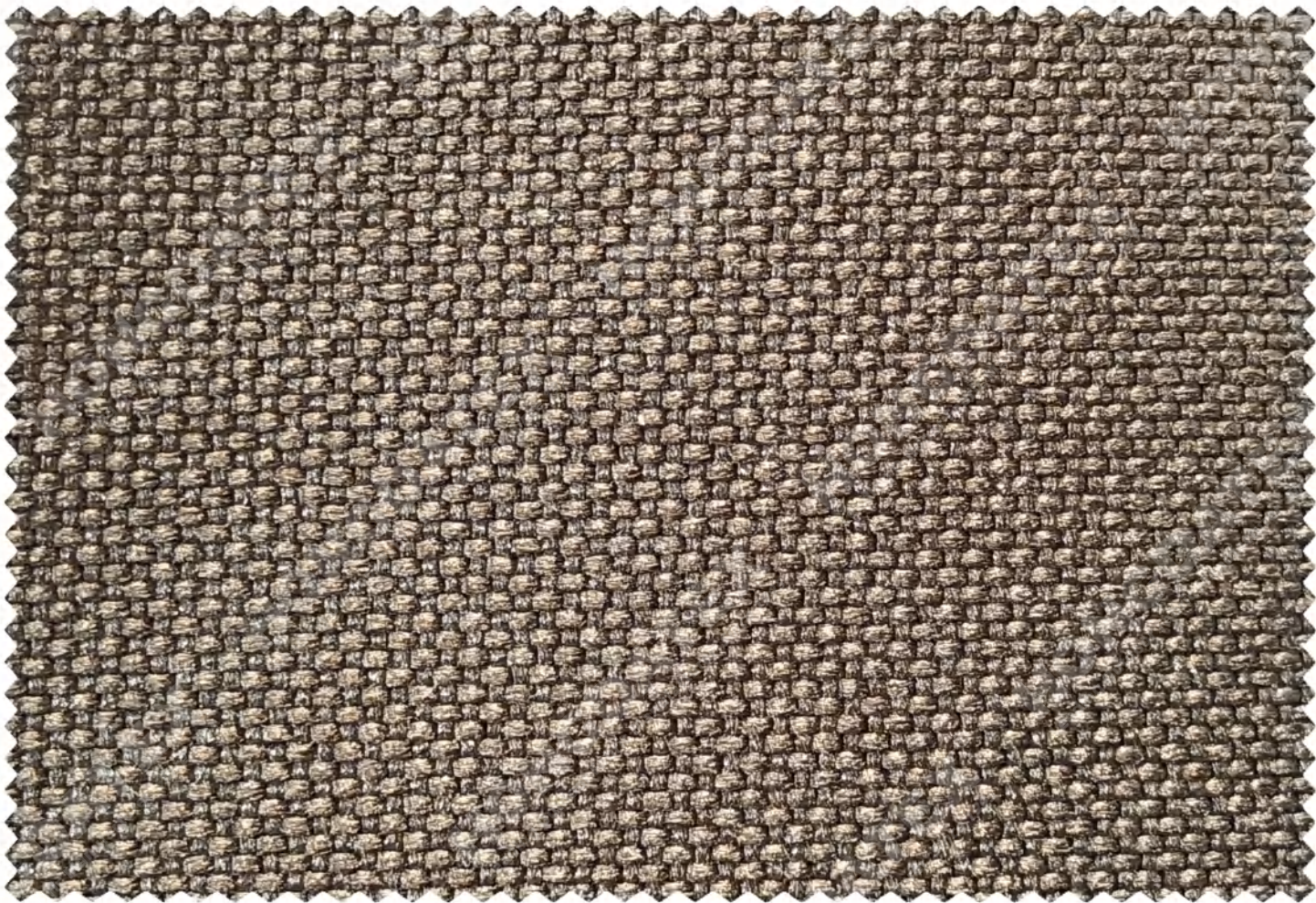
拥有惊人的770g克重，这款1200D规格的面料代表了箱包耐用性的巅峰。
专为极端探险装备而生，极致的抗撕裂性与色牢度让它不惧任何摩擦与碰撞，始终坚韧如初。



UV Resistance 防紫外线等级	UPF 50+
Color Fastness (ISO 105-B02) 色牢度	Grade 4
Abrasion Resistance (ISO12947-2) 耐磨性能	≥ 8000 Cycles

100% Fabric Customization 支持100%面料定制

HD-DT-0134-PVC



More Fabric Options 更多面料选择

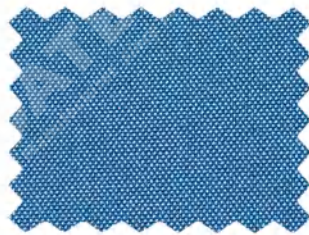
01



(HD26-52) 400D 260GSM PVC



(HD26-60) 400D 260GSM PE
Dope-Dyed



(HD26-70) 200D 390GSM PVC



(HD26-20) 280GSM PU
Yarn-Dyed WR



(HD-DT-0066-PVC) 400*300D
350GSM PVC



(HD-DT-0073-PVC) 400*300D
350GSM PVC



(HD-DT-0076-PVC) 300D
370GSM PVC



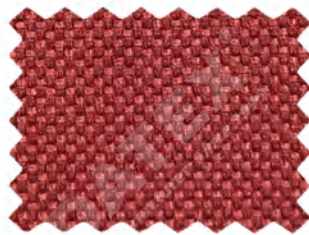
(HD-DT-0074-PVC) 300*150D
470GSM PVC



(HD-DT-0115-PU) 500D
195GSM PU WR



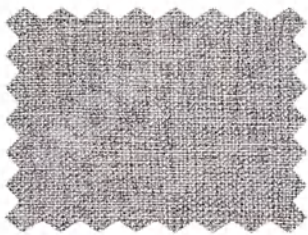
(HD-DT-0110-PVC) 600D
640GSM PVC



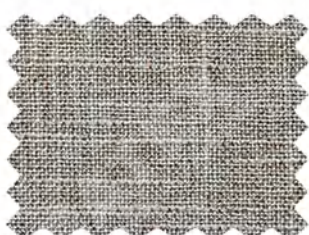
(HD26-57) 500D 420GSM PVC



(HD26-71) 180GSM PU WR



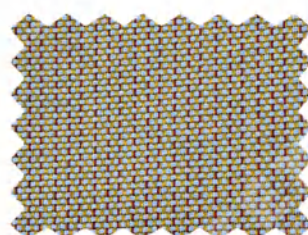
(HD26-06) Polyester Cationic
600D 450GSM PVC



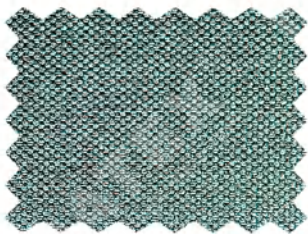
(HD26-07) Polyester Cationic
600D 490GSM PVC



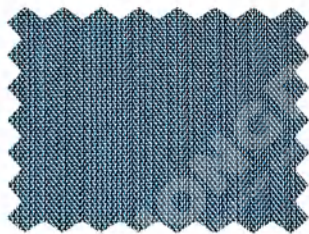
(HD-PU-W0014) 700*500D
270GSM PU



(HD-N-0026) 1200D 280GSM



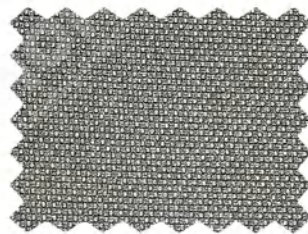
(HD26-10) Polyester Cationic
600D 210GSM PU



(HD26-99-Y) Polyester Cationic
300D 360GSM PVC



(HD-PU-0011) 600D 420GSM
PU



(HD-PVC-0017) 1000D 530GSM
PVC



(HD26-01) 600D 490GSM PVC



(HD26-05) 600D 450GSM PVC



(HD26-22) 290GSM PU WR



(HD26-24) 1000D 560GSM PVC
Fluorine-Free WR



(HD26-41) 1200*900D 400GSM
PU



(HD26-11) 280GSM PU



(HD26-68) 300*150D 420GSM
PVC



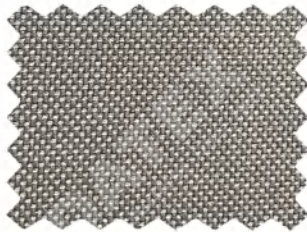
(HD26-76) 135GSM PA WR



(HD26-86) 1000D 610GSM PVC
Tarpaulin WR



(HD-DT-0056-PE) 300*150D
300GSM PE



(HD-DT-0063-PVC) 400*400D
400GSM PVC



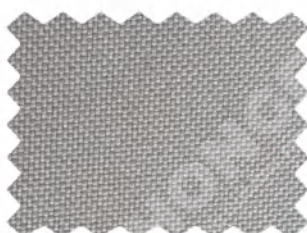
(HD-DT-0067-PVC) 400*300D
350GSM PVC



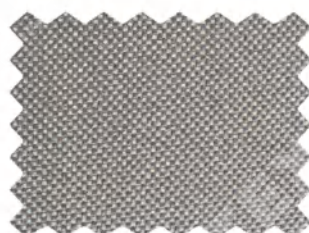
(HD-DT-0080-PVC) 250*250D
400GSM PVC



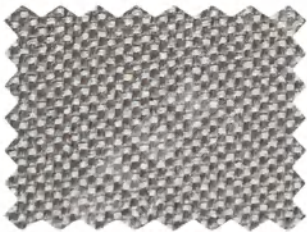
(HD-DT-0084-PVC) 400*300D
350GSM PVC



(HD-DT-0086-PVC) 400*400D
365GSM PVC



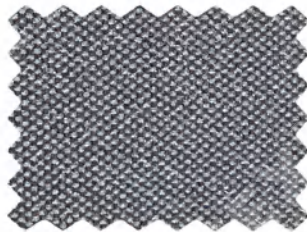
(HD-DT-0087-PVC) 400*400D
425GSM PVC



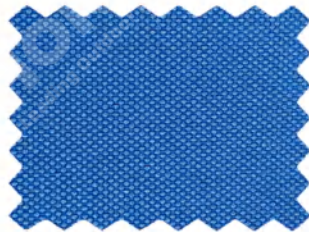
(HD-DT-0095-PVC) 400*300D
360GSM PVC



(HD-DT-0096-PVC) 600*600D
640GSM PVC

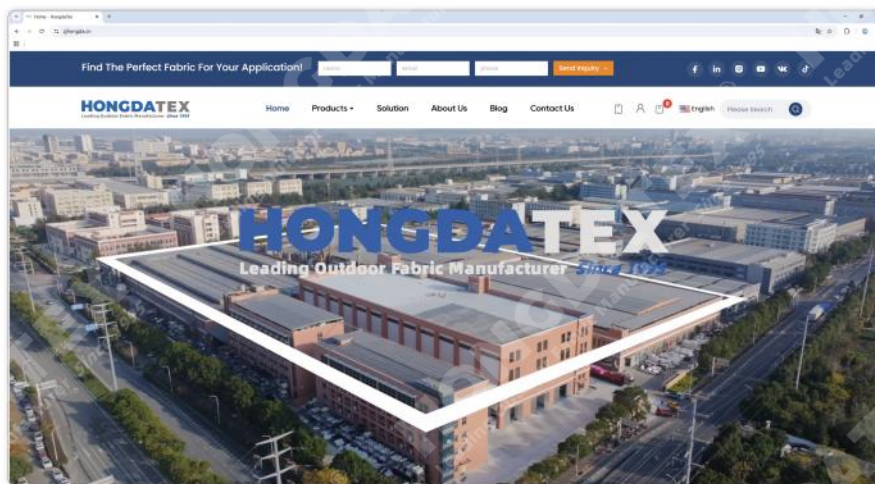


(HD-DT-0112-PU) 500*500D
200GSM PU



(HD-DT-0114-PU) 500*500D
175GSM PU

Official Website & Social Media / 官网和社媒



Welcome to follow our social media accounts for the latest news of HongdaTEX.

欢迎关注我们的社媒，了解HongdaTEX最新资讯。

 TikTok
ID: Hongdatex.Global

 Facebook
ID: HongdaTex

 Instagram
ID: chloe_got_fabrics

 YouTube
ID: Outdoorfabric_hongdatex

 linkedin
ID: HongdaTEX

 WeChat Channels
ID: 弘达牛津布-HongdaTEX

 Official Website 官网
www.zjhongda.cn

 +86 135 8600 7055
 +86 156 0179 7701
 sales@zjhongda.cn
 浙江弘达环保科技有限公司



HONGDATEX[®]

Leading Outdoor Fabric Manufacturer *Since 1995*

HONGDATEX

🌐 www.zjhongda.cn
☎ +86 156 0179 7701
✉ sales@zjhongda.cn
🏢 浙江弘达环保科技有限公司

