

HONGDATEX®
Leading Outdoor Fabric Manufacturer *Since 1995*

CHAIR FABRICS

户外座椅功能性面料

Engineered Outdoor Chair Systems for
Premium OEM/ODM Programs
面向高端OEM/ODM生产的户外椅子系统



“ 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, consisting of stylized Chinese characters. The signature is written in a cursive, flowing style.



Product Use

面料应用场景 / 椅子



Kermit Chair 科米特椅



Beach Chair 沙滩椅



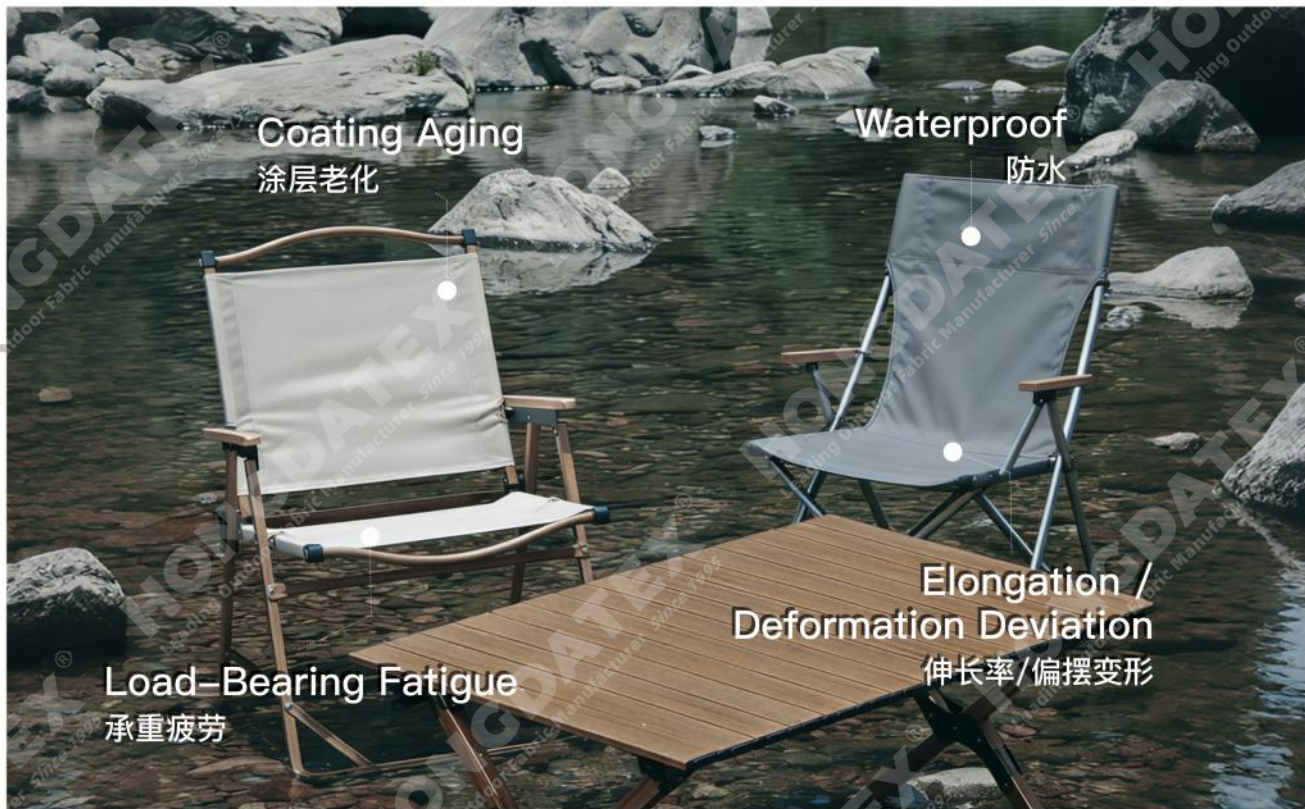
Folding Chair 折叠椅



Lounge Chair 休闲椅



Hammock Chair 吊床椅



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

为什么户外折叠椅是高风险品？

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

Load-Bearing Fatigue

我们能解决承重疲劳

Load-Bearing Fatigue Risk Chain / 承重疲劳失效链 ▼

Folding chair load-bearing fatigue = insufficient yarn fatigue life + weak structural density + coating embrittlement → sagging, loosening, and breakage.

折叠椅承重疲劳 = 纱线疲劳寿命不足+结构密度弱+涂层脆化 → 下陷、松垮、断裂。

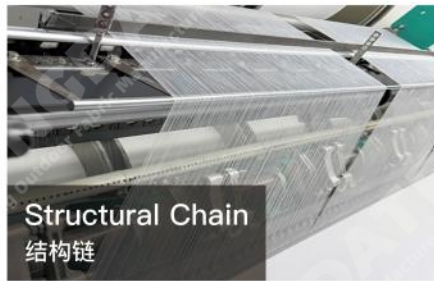


HongdaTEX Technical Chain / 技术链 ▼



Quality Chain
质量链

- Fatigue Testing
疲劳测试
- Load-Bearing Tensile Strength
承重拉伸强度



Structural Chain
结构链

- Stable Bonding Support Layer
稳定背胶支撑层
- Load Path Optimization
受力方向结构优化



Process Chain
工艺链

- Heat-Setting Parameter Locking
(180°C × 40s)
热定型参数锁定 (180°C × 40s)
- Enhanced Coating Flexibility
(Anti-Fatigue Coating)
涂层柔韧性增强 (抗疲劳涂层)

HongdaTEX Solution Chain / 解决链 ▼

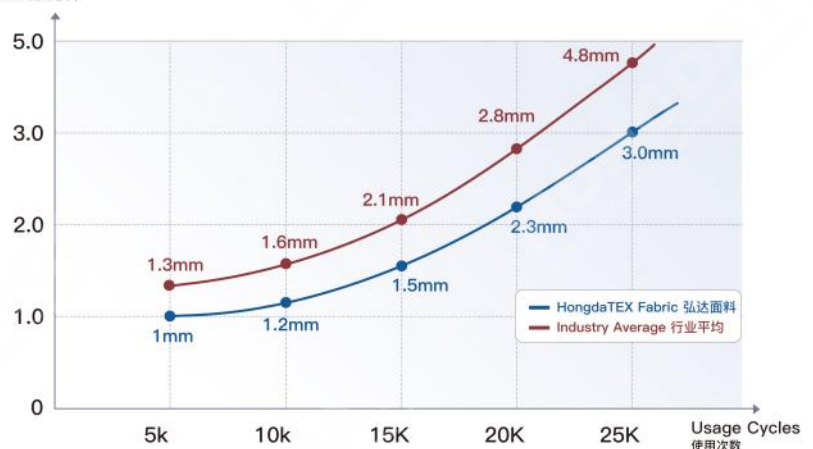
- 1 High-Strength Yarns
高强度纱
- 2 High-Density Structure
高密度结构
- 3 Fatigue / Load-Bearing Validation
疲劳/承重验证

Through a three-layer evidence chain, HongdaTEX ensures that folding chair fabrics resist sagging, loosening, and breakage.

HongdaTEX通过三段证据链, 确保折叠椅面料减缓下陷、松垮和断裂。

Fatigue Deformation Curve

Permanent Deformation (mm)
永久形变量 (毫米)



Coating Aging

我们能解决涂层老化

Coating Aging Risk Chain / 涂层老化失效链 ▼

Folding chair coating aging = concentrated load stress + coating powdering + reduced adhesion → the most typical and earliest failure point.

折叠椅涂层老化 = 承重集中 + 涂层粉化 + 附着力下降 → 最典型且最早出现的失效点。



HongdaTEX Technical Chain / 技术链 ▼



- Outdoor-Grade PU / PVC Coating
户外级 PU/PVC 涂层
- Low-Tg Flexible Coating System
低 Tg 柔性涂层体系



- Uniform Coating Thickness
涂层厚度均匀
- Optimized Bonding Penetration
涂层渗透深度合理



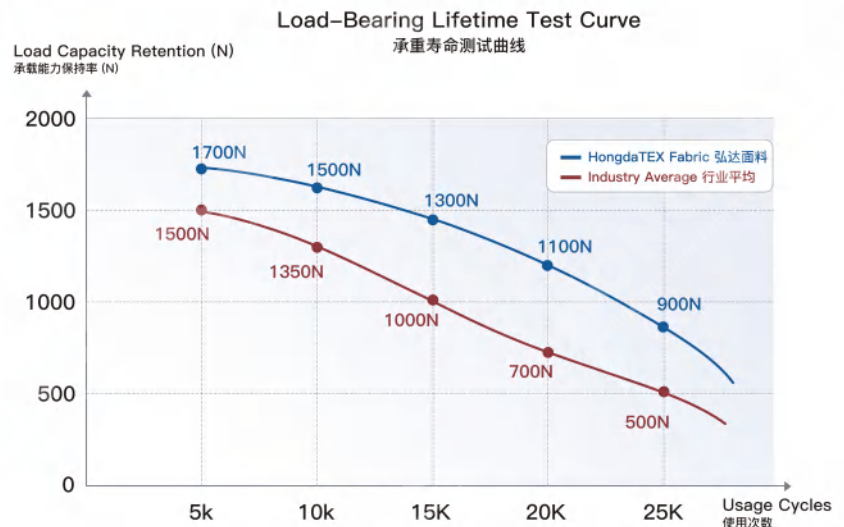
- Three-Zone Oven Temperature
采用三段烘箱温度
- UV Aging 1000h: No Cracking / $\Delta E \leq 1$
UV 老化 1000h: 无裂纹 / $\Delta E \leq 1$

HongdaTEX Solution Chain / 解决链 ▼

- 1 Outdoor-Grade Coating System
户外级涂层体系
- 2 Structural Uniformity
结构均匀性
- 3 Temperature / Fatigue Validation
温度/疲劳验证

Through a three-layer evidence chain, HongdaTEX completely resolves coating aging, powdering, whitening, and cracking in folding chairs.

HongdaTEX通过三段证据链, 彻底解决折叠椅的涂层老化、粉化、白化与开裂。



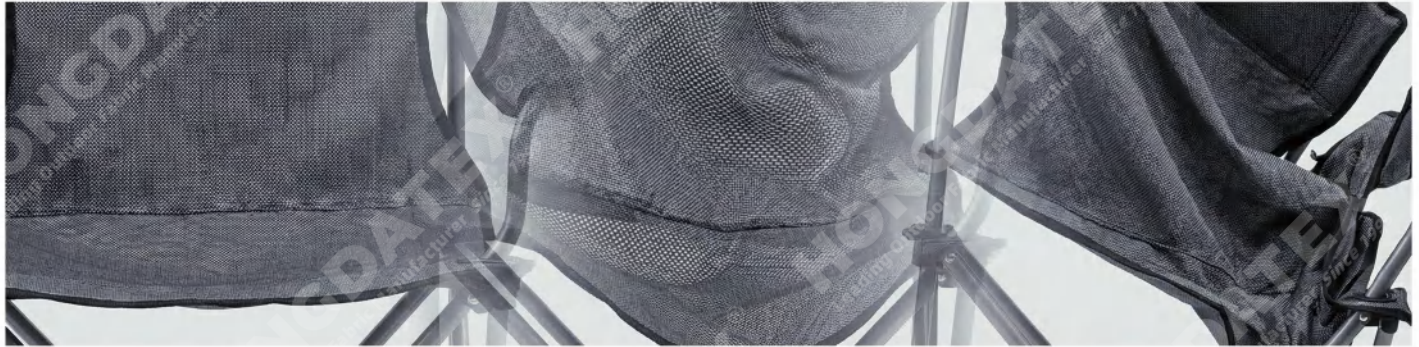
Elongation / Lateral Deformation

我们能解决伸长率/偏摆变形

Lateral Deformation Risk Chain / 偏摆变形失效链 ▾

Elongation deviation = unbalanced warp/weft elongation + loose fabric structure + unlocked heat-setting → progressive loosening, lateral shifting, and poor recovery of the seat surface.

伸长率偏摆 = 经/纬伸长不平衡 + 织物结构松散 + 定型不锁定 → 椅面越坐越松、左右偏斜、无法回弹。



HongdaTEX Technical Chain / 技术链 ▾



- Warp Load Path Reinforcement
经向承力结构强化
- Balanced EPI / PPI
经纬密度平衡 (EPI / PPI)



- Stenter Tension Control
拉幅张力控制
- Relax Shrinkage Control
收缩率控制



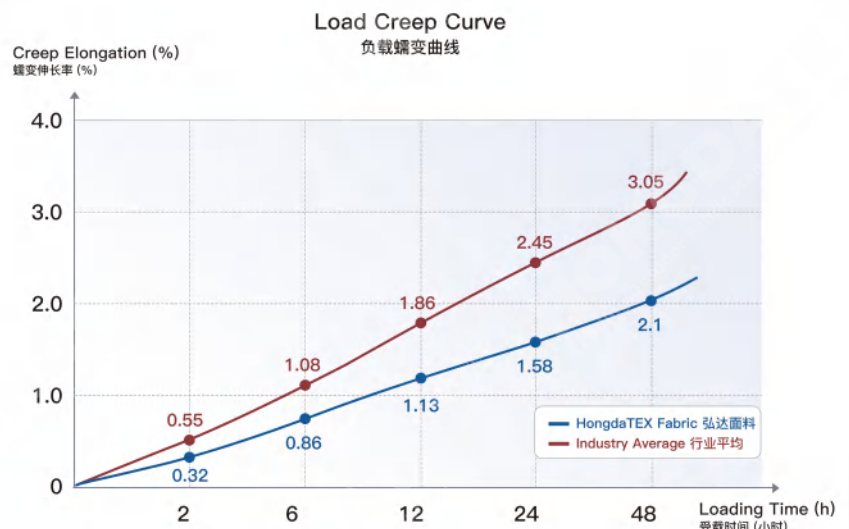
- Creep Under Load Test
蠕变伸长测试
- Cyclic Load → Elongation Test
循环载荷后伸长测试

HongdaTEX Solution Chain / 解决链 ▾

- 1 Balanced Warp/Weft Structure
经纬伸长平衡结构
- 2 Locked Heat-Setting Tension
定型张力锁定
- 3 Creep / Deviation Validation Testing
蠕变/偏摆实测试验证

Through a three-layer evidence chain, HongdaTEX ensures that folding chair fabrics maintain long-term load-bearing stability without sagging, shifting, or loss of seating comfort.

HongdaTEX通过三段证据链，确保折叠椅面料长期承重不松垮、不偏摆、坐感一致。



Waterproof Performance Degradation

我们能解决防水性能衰退

Waterproof Failure Risk Chain / 防水失效链 ▼

Folding chair waterproof failure = insufficient surface repellency + coating micro-cracks + backing hydrolysis + pressure-driven water penetration → leakage, dampness, odor, and reduced service life.

折叠椅防水失效 = 表面拒水不足 + 涂层微裂纹 + 背胶水解 + 压力渗水 → 渗漏、受潮异味、使用寿命缩短。



HongdaTEX Technical Chain / 技术链 ▼



Material Chain
材料链

- Outdoor-Grade Waterproof Yarn
户外级防水纱线
- Low-Water-Absorption Fiber Structure
低吸水率纤维结构



Process Chain
工艺链

- High-Density Waterproof Coating
高密度防水涂层
- Three-Stage Curing & Crosslinking
三段固化交联工艺



Quality Chain
质量链

- Water Pressure Sealing Test
水压密封测试
- Multi-Layer Barrier Structure
多层防渗阻隔结构

HongdaTEX Solution Chain / 解决链 ▼

- 1 High-Performance Waterproofing
高性能防水体系
- 2 Structural Barrier Reinforcement
结构防渗强化
- 3 Pressure & Aging Validation
压力+老化联合验证

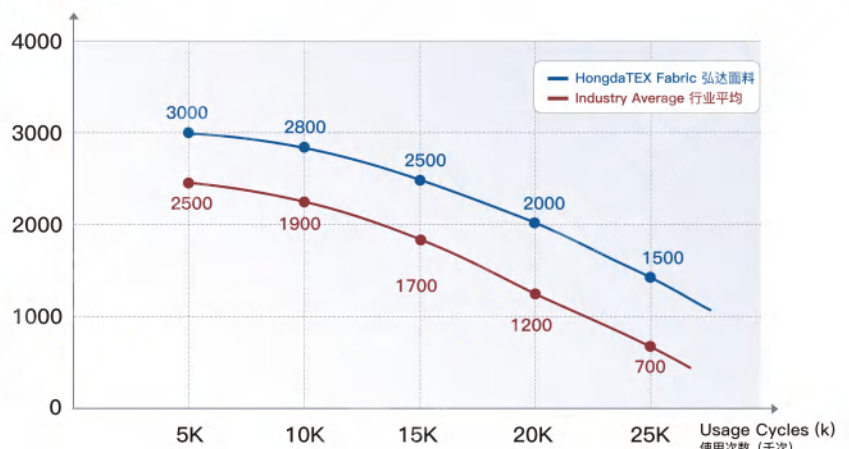
Through a three-layer evidence chain, HongdaTEX ensures folding chair fabrics maintain long-term waterproof stability, preventing leakage, dampness, and performance degradation.

HongdaTEX通过三段证据链，确保折叠椅面料长期保持防水稳定性，防渗漏、不返潮、不失效。

Hydrostatic Pressure Retention Curve

耐水压保持曲线

Hydrostatic Pressure (mmH₂O)
耐水压值 (毫米水柱)



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

SGS



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



Y1 – EcoGuardian™ 400D PU (都市工业系列)

Engineering Story 技术故事

It offers a metallic-like texture and appearance.
Its high-density arrangement effectively alleviates physical stress at the folds, ensuring the fabric remains crisp and sturdy even after thousands of openings and closings.

提供了如金属般的质感外观，其高密度排列有效缓解了折叠处的物理应力，即便数千次开合，布面依然挺括如初。



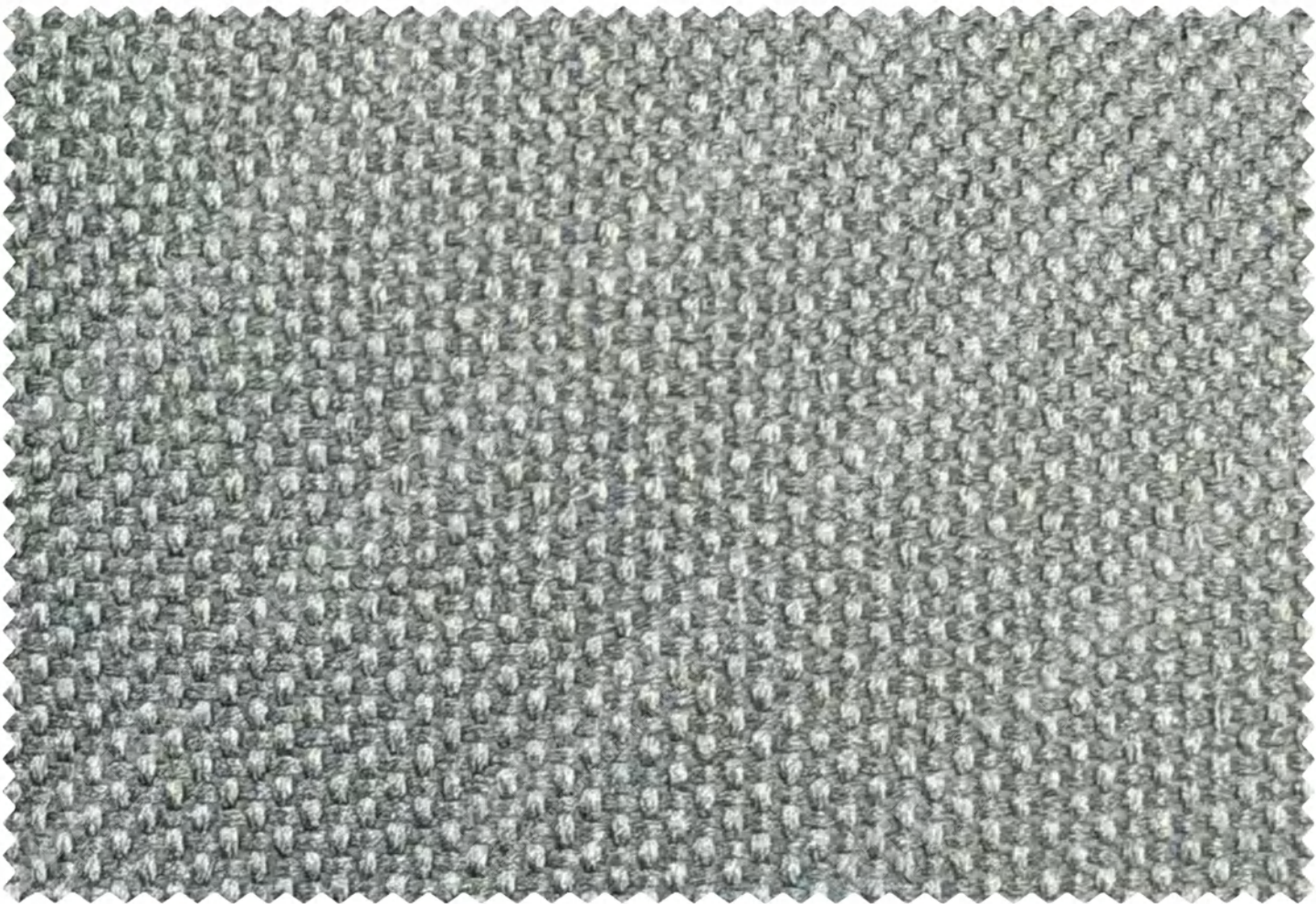
Breaking Strength
断裂强力 $\geq 750N$

Dry Rubbing Color Fastness
干磨色牢度 (AATCC 8) $\geq \text{Grade 4}$

Color Fastness to Light
光照色牢度 (AATCC 16.3) **40AFU Grade 3.5**

100% Fabric Customization 支持100%面料定制

HD-DT-0075-PE



Y2 – DolceVita™ 600D (精品印花系列)

Engineering Story 技术故事

The 600D base fabric, combined with a thickened PVC backing, ensures that the design will not fade or crack under prolonged sunlight exposure and high-frequency folding.

600D 基布配合加厚 PVC 底层，
确保图案在长期日照与高频折叠下不褪色、不裂漆。



Breaking Strength 断裂强力	≥ 900N
Dry Rubbing Color Fastness 干磨色牢度 (AATCC 8)	≥ Grade 4
Color Fastness to Light 光照色牢度 (AATCC 16.3)	40AFU Grade 3.5

100% Fabric Customization 支持100%面料定制

HD-DT-0096-PVC



Y3 – EcoLeaf™ 300D PE (轻量化自然系列)

Engineering Story 技术故事

Using an environmentally friendly PE coating, the weight of the chair is significantly reduced while ensuring the toughness of the fabric, making it the perfect choice for a lightweight folding stool.

采用环保级PE涂层，在确保面料韧性的同时，大幅降低了整椅重量。是轻量化折叠凳的灵魂之选。



Breaking Strength
断裂强力

≥ 600N

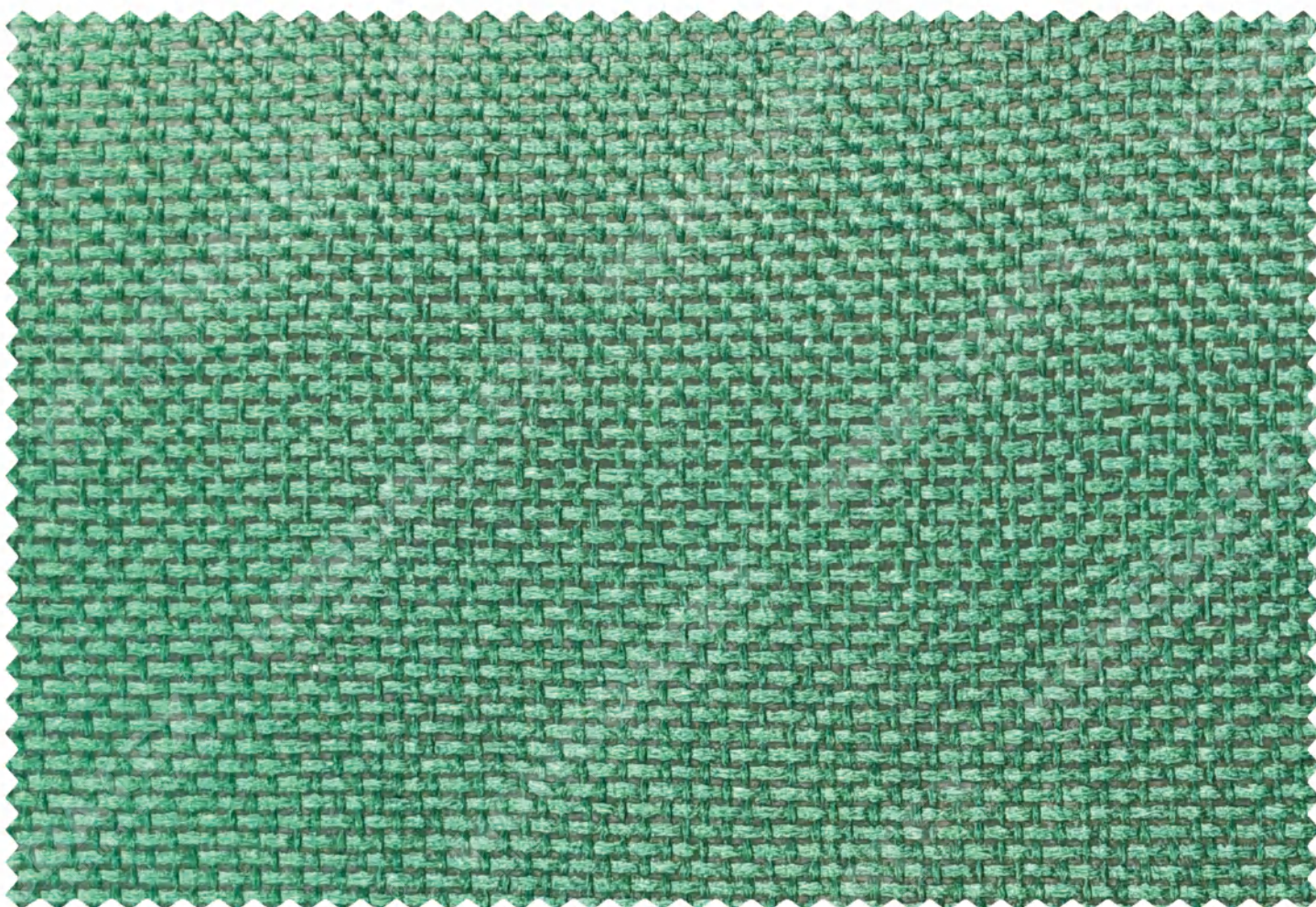
Dry Rubbing Color Fastness
干磨色牢度 (AATCC 8)

≥ Grade 4

Compliant with REACH standards
符合REACH标准

100% Fabric Customization 支持100%面料定制

HD-DT-0118-PE



Y4 – AquaShield™ 300D PVC (全海域防护系列)

Engineering Story 技术故事

Built on a 600D base fabric with a reinforced 370gsm PVC backing for deep structural locking, it delivers outstanding dimensional memory. Under heavy loads, the fabric maintains low elongation, ensuring the seat remains firm, supportive, and resistant to sagging over time.

采用600D基布，370gsm强化PVC底层深度锁定，
提供卓越的物理记忆力，面料在重载下保持低延伸率，确保座面持久挺括、不塌陷。



Breaking Strength 断裂强力	≥ 600N
Dry Rubbing Color Fastness 干磨色牢度 (AATCC 8)	≥ Grade 4
Wet Rubbing Color Fastness 湿磨色牢度 (AATCC 8)	≥ Grade 3-4

100% Fabric Customization 支持100%面料定制

HD-DT-0121-PVC



Y5 – LoadMax™ 400D PE (重载工程系列)

Engineering Story 技术故事

Custom-designed for the "core load-bearing area" of a large director's chair. This ensures that the seat surface will not sag even after long-term use, maintaining a healthy support curve at all times.

为大型导演椅的“核心承重区”量身定制，确保用户在长期使用后，座椅坐面不会出现坍塌感，始终保持健康的支撑曲线。



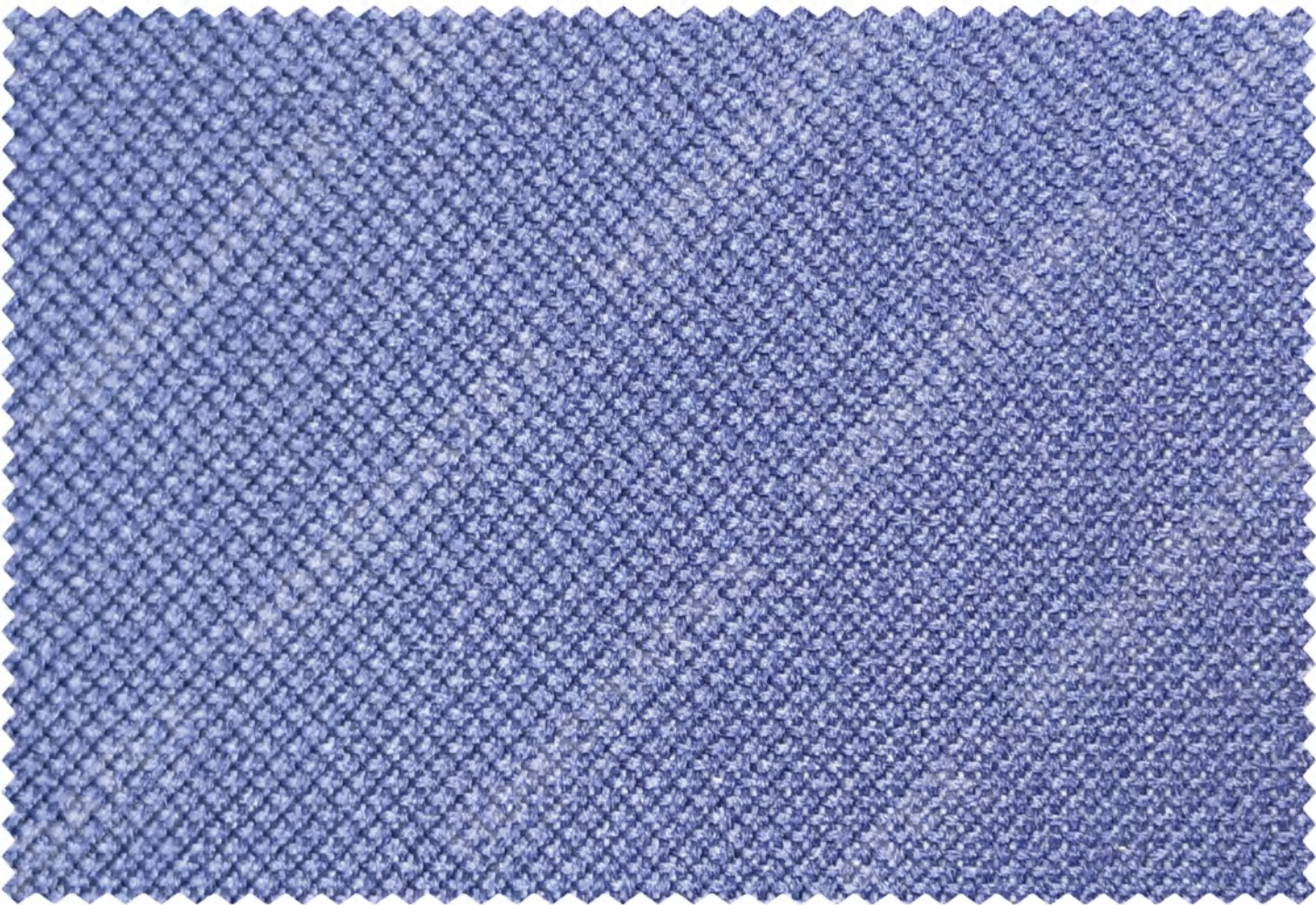
Breaking Strength
断裂强力 **≥ 750N**

Dry Rubbing Color Fastness
干磨色牢度 (AATCC 8) **≥ Grade 4**

Color Fastness to Light
光照色牢度 (AATCC 16.3) **40AFU Grade 3.5**

100% Fabric Customization 支持100%面料定制

HD-DT-0126-PE



Y6 – StealthOps™ 600D PE (专业战术系列)

Engineering Story 技术故事

It boasts high colorfastness and scratch resistance.
Even when used in thorny jungles or rocky terrain,
it provides robust protection for the seat frame.

具有高色牢度和抗刮伤性，即便在布满荆棘的丛林或乱石滩使用，
也能为座椅框架提供坚实的保护。



Dry Rubbing Color Fastness
干磨色牢度 (AATCC 8)

≥ Grade 4

Color Fastness to Light
光照色牢度 (AATCC 16.3)

40AFU Grade 3.5

Print Color Fastness (EN Standard)
印花色牢度 (欧标)

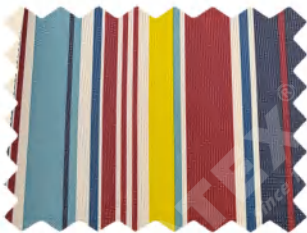
Grade 4

100% Fabric Customization 支持100%面料定制

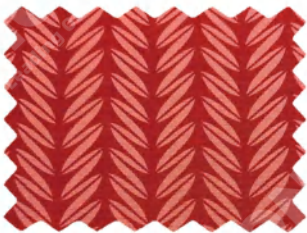
HD-DT-0135-PE



More Fabric Options 更多面料选择



(HD-PE-0019) 300D 230GSM
PE WR



(HD-N-0032) 300D 180GSM
PE WR



(HD26-57) 500D 420GSM PVC



(HD26-44) 600D 240GSM PU
Yarn Dyed



(HD-PU-0022) 300D 180GSM
PU WR



(HD26-21) 280GSM PU WR
Yarn Dyed



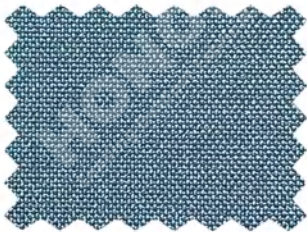
(HD26-48) 500D 360GSM
TPU WR



(HD-PE-0002) 300D 233GSM
PE WR



(HD-N-0042) 400D 140GSM PE



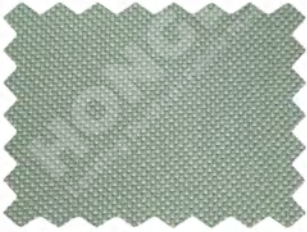
(HD26-58) 400D 420GSM PVC



(HD26-39) 600D 420GSM PVC



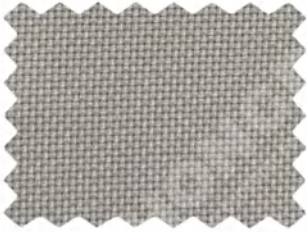
(HD26-32) 500D 210GSM PU
Printing



(HD-DT-0078-PVC) 400*300D
350GSM PVC



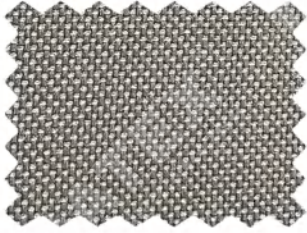
(HD-DT-0085-PVC) 400*300D
350GSM PVC



(HD-DT-0099-PVC) 600D
640GSM PVC



(HD-DT-0105-PE) 300D
235GSM PE



(HD-DT-0155-PE) 400*300D
245GSM PE



(HD-DT-0137-PE) 400D
265GSM PE

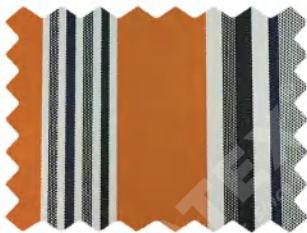


(HD26-33) 500D 210GSM PU



(HD26-36) 300D 160GSM PU

More Fabric Options 更多面料选择



(HD26-19) 280GSM PU
Yarn-Dyed WR



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



(HD26-48) 500D 360GSM TPU
WR



(HD26-54) 500D 470GSM PVC
WR



(HD26-60) 400D 260GSM PE



(HD26-70) 200D 390GSM PVC



(HD26-80) 1680D 300GSM PU



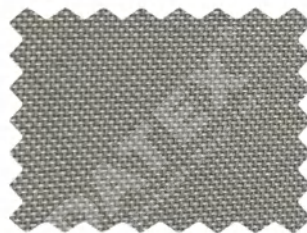
(HD26-81) 920D 300GSM PU



(HD26-P-001-PU) 500*500D
185GSM PU



(HD-DT-0066-PVC) 300*300D
520GSM PVC



(HD-DT-0083-PVC) 600*300D
395GSM PVC



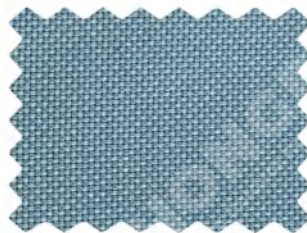
(HD-DT-0092-PVC) 600*600D
640GSM PVC



(HD-DT-0094-PVC) 300*200D
470GSM PVC



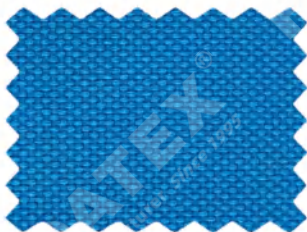
(HD26-23) 280GSM PU WR



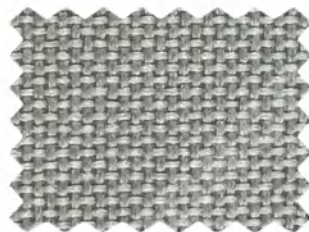
(HD-DT-0100-PVC) 600*600D
640GSM PVC



(HD-DT-0102-PVC) 300*300D
160GSM PVC



(HD-DT-0113-PU) 500*500D
290GSM PU



(HD-DT-0124-PVC) 400*400D
355GSM PVC

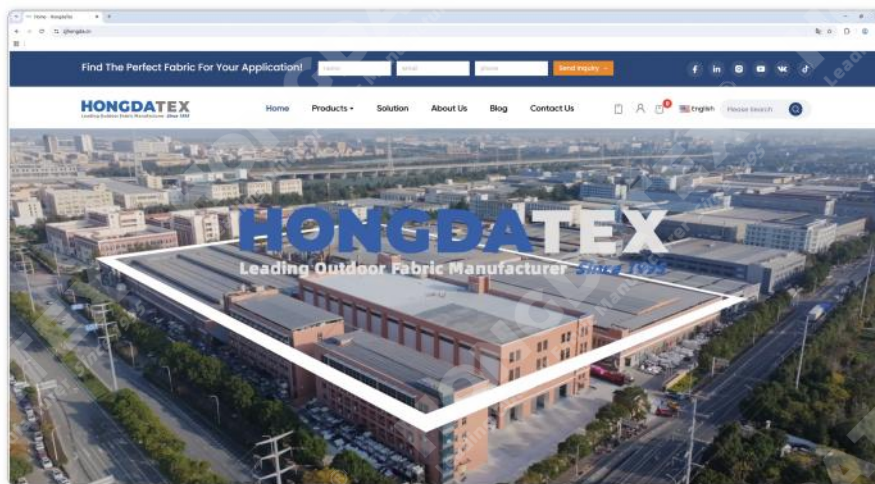


(HD-DT-0135-PE) 600*600D
225GSM PE



(HD26-09) 600D 450GSM PVC

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 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



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🌐 www.zjhongda.cn
☎ +86 156 0179 7701
✉ sales@zjhongda.cn
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