

HONGDATEX[®]
Leading Outdoor Fabric Manufacturer *Since 1995*

COVER FABRICS

户外罩子功能性面料

Engineered Outdoor Cover Systems for
Premium OEM/ODM Programs

面向高端OEM/ODM生产的户外罩子系统



“ 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, which appears to be "张震" (Zhang Zhen), the name of the company's founder or a senior executive.



Product Use

面料应用场景 / 罩子



BBQ Cover 烤炉罩



Furniture Cover 家具罩



Industrial Equipment Cover 工业设备罩



Various Other Types of Covers 其它罩子



Car Cover 车罩



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

为什么罩子高风险品？

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

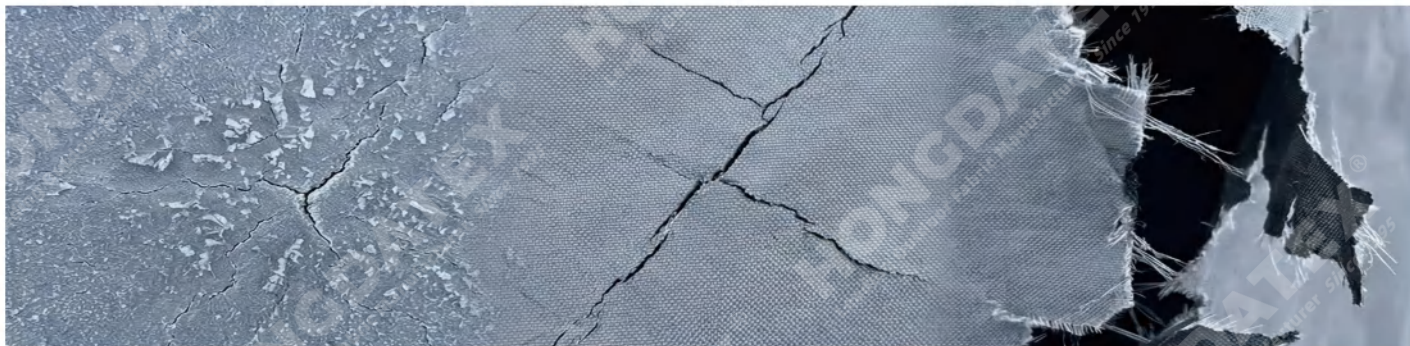
Cracking : We Can Prevent Cracking

我们能解决脆裂

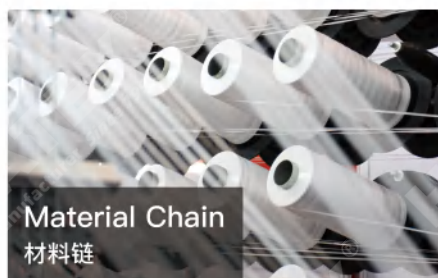
Cracking Chain / 脆裂失效链 ▼

Cracking = The coating hardens at low temperatures → loses flexibility → forms micro-cracks → micro-cracks propagate along the wind load direction → leading to overall cover failure.

脆裂 = 涂层在低温下变硬 → 失去柔性 → 形成微裂纹 → 微裂纹沿风载荷方向扩散 → 罩子整体断裂。



HongdaTEX Technical Chain / 技术链 ▼



Material Chain
材料链

- Polyether-based PU
聚醚型PU
- Low-Temperature Flex Test
低温弯折寿命 (−20°C / −25°C)



Coating Chain
涂层链

- Cold Crack Test
冷脆测试 (−20°C / −25°C)
- Recipe Locking System
涂层配方锁定



Process Chain
工艺链

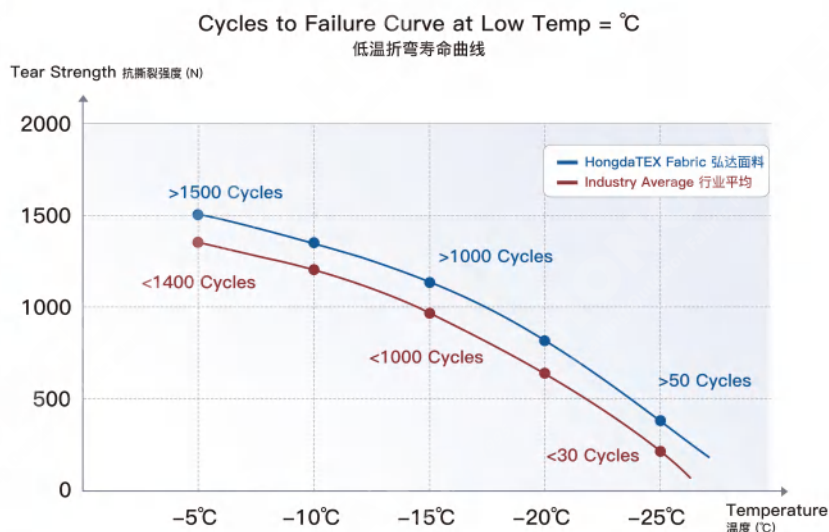
- Batch Low-Temp QC
批次低温测试
- Flex * Cold * Abrasion
三重疲劳验证

HongdaTEX Solution Chain / 解决链 ▼

- 1 High-Elasticity PU/TPC
高弹性PU/TPC
- 2 Stable Coating Thickness
稳定涂层厚度
- 3 Low-Temperature Batch Engineering
低温批次工程

Lowering the coating cold-crack point from the industry standard of −5°C to −20°C / −25°C, effectively eliminating the risk of low-temperature brittleness.

将涂层冷脆点从行业的 −5°C 降到 −20°C / −25°C, 彻底消除低温脆裂风险。



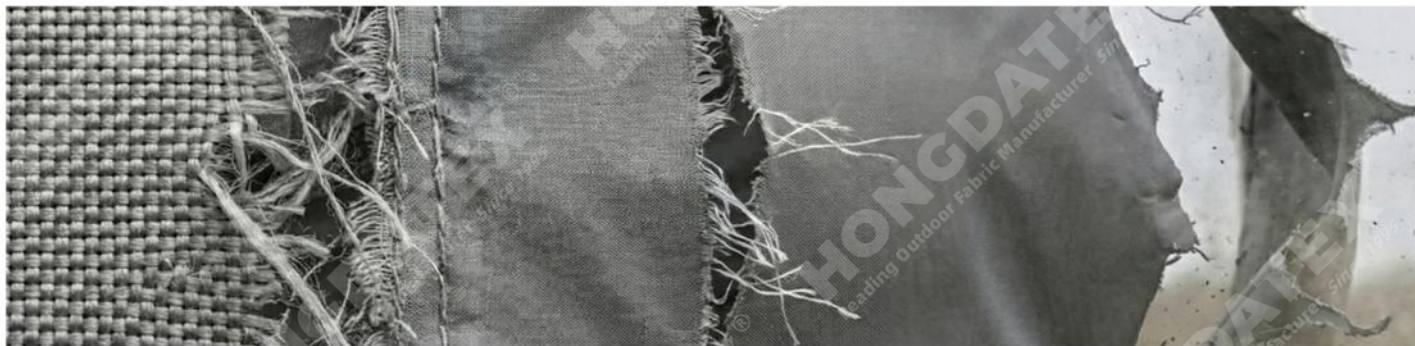
Tearing : We Can Prevent Tearing

我们能解决撕裂

Tearing Risk Chain / 撕裂失效链 ▼

Main cause of tearing = crack initiation → tear propagation → High-Stress Friction Points & Reinforced Seam Edges.

撕裂主因 = 起裂点出现 → 撕裂扩散 → 摩擦受力点/车缝边。



HongdaTEX Technical Chain / 技术链 ▼



- High-Toughness HT-Polyester
高强度涤纶 (600D / 900D / 1680D)
- Higher Density Weaving
高密度织造



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



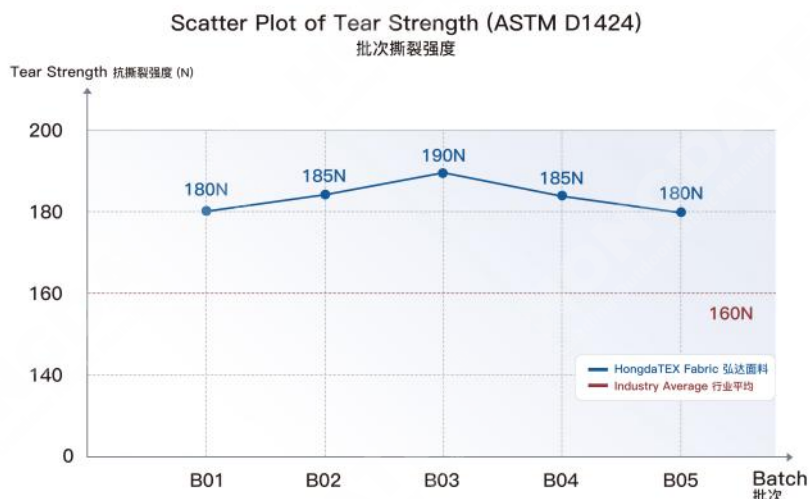
- Batch Tear Strength Testing
批次撕裂强度检测 (ASTM D1424)
- Tear Variation $\leq 10-15\%$
撕裂波动控制 $\leq 10-15\%$

HongdaTEX Solution Chain / 解决链 ▼

- 1 Stronger Base Fabric
更强的基布
- 2 More Flexible Coating
更柔的涂层
- 3 More Stable Structure
更稳的结构

Through a three-layer evidence chain, HongdaTEX enhances tear strength and completely cuts off the tear propagation pathway.

HongdaTEX通过三段证据链, 将撕裂强度提升, 彻底切断撕裂扩散链路。



Fading : We Can Prevent Fading

我们能解决褪色

Fading Risk Chain / 褪色失效链 ▼

Unstable color fastness = fluctuations in the dye system + insufficient UV stability of the coating + unlocked process parameters → uncontrollable ΔE .

色牢度不稳 = 染料体系波动 + 涂层UV稳定性不足 + 工艺参数不锁定 → ΔE 不可控。



HongdaTEX Technical Chain / 技术链 ▼



- Solution-Dyed Technology
原液着色
- Outdoor-Grade Disperse Dyes
(Grade 6-7)
户外级分散染料 (6-7级)



- Process Locking for Color Stability
工艺参数锁定
- Coating with HALS + UV Absorbers
涂层 HALS + UV 吸收剂



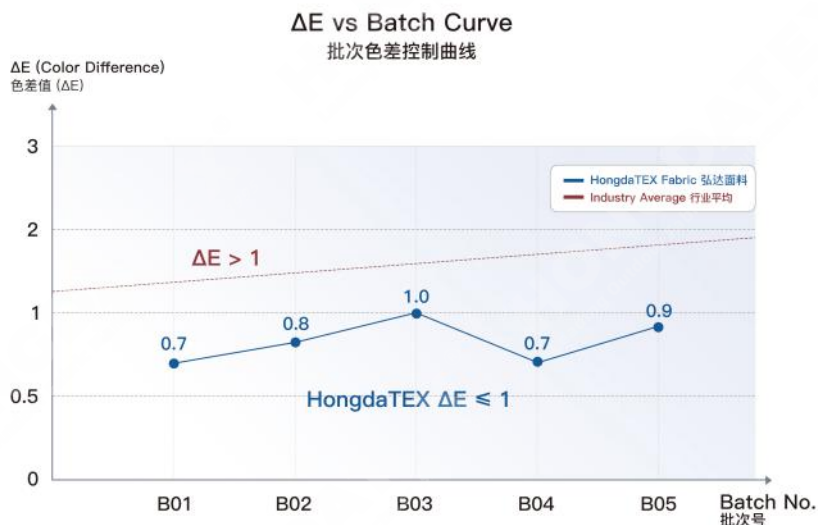
- ISO 105-B02 / C06 / X12 测试
ISO 105-B02 / C06 / X12 测试
- Batch ΔE Control ≤ 1.0
批次 ΔE 色差控制 ≤ 1

HongdaTEX Solution Chain / 解决链 ▼

- 1 Solution-dyed System
原液着色
- 2 Outdoor-Grade Dye System
户外级染料体系
- 3 $\Delta E \leq 1$ with Batch-Level Locking
 $\Delta E \leq 1$ 批次锁定

Through a three-layer evidence chain, HongdaTEX achieves the industry's highest level of color fastness stability.

HongdaTEX通过三段证据链, 实现行业最高的色牢度稳定性。



PFAS Compliance

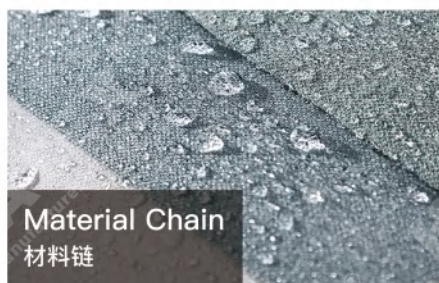
我们能解决PFAS合规

PFAS Compliance Risk Chain / PFAS合规失效链 ▼

PFAS risk = uncontrolled chemical system → excessive PFAS residues → failed regulatory inspections
PFAS风险 = 化学体系未管控 → PFAS残留超标 → 监管抽检失败产品。



HongdaTEX Technical Chain / 技术链 ▼



Material Chain
材料链

- PFAS-Free Chemical System
(DWR / Resin / Coating – Full Chain PFAS-Free)
PFAS-Free 化学体系 (DWR/树脂/涂层全链路 0 PFAS)
- Supplier SDS + Raw Material CoA
(Certificate of Analysis)
供应商SDS + 原料CoA (成分分析证书)



Process Chain
工艺链

- Process Control to Avoid PFAS
禁用 PFAS 工程控制
- Chemical Compliance Register
化学品合规台账管理
- Process Locking SOP
工艺锁定文件 (SOP)



Quality Chain
质量链

- LC-MS/MS PFAS Panel
(Multi-Compound Screening)
LC-MS/MS PFAS 全项检测面板
- Third-Party PFAS Testing
第三方 PFAS 检测
(SGS / Intertek / Bureau Veritas)

HongdaTEX Solution Chain / 解决链 ▼

- 1 Fluorine-Free Material System
无氟材料体系
- 2 PFAS-Prohibited Process Control
PFAS 禁用工艺控制
- 3 Third-Party ND Testing
第三方 ND 检测

Through a three-layer evidence chain,
HongdaTEX eliminates PFAS risks at the
source and achieves the highest level of
chemical compliance globally.

HongdaTEX通过三段证据链, 从源头消除 PFAS 风险,
实现全球最高级别的化学合规能力。

intertek
Test Results Summary

TEST REPORT

Number: SHAT000066

Date: Feb 05, 2020

Applicant: ZHEJIANG HONGDA ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD.
NO. 100 WUZHONG ROAD, BINHAI INDUSTRIAL ZONE, LISHUI DISTRICT, TAIZHOU CITY, ZHEJIANG PROVINCE, CHINA.
REF: ALEX XHANG

Sample Description: Two (2) Pieces of Submitted 100% Polyester Woven Fabric In: (A) Black (B) Green
Applicant's Provided Case Label: -

Date Received/Date Test Started: Ref To The Sample In Conclusion
Standard: ASTM Standard
Order No.: -
Item Code: -
Item Description: -
Report's Name: -
Color: -
Manufacturer's Name: -
Supplier: -
Ref: -

Conclusion: Perfluorinated And Polyfluorinated Substances (PFAS) (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NN) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

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Test Results Summary

TEST REPORT

Number: SHAT000066

Date: Jun 20, 2020

Applicant: ZHEJIANG HONGDA ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD.
NO. 100 WUZHONG ROAD, BINHAI INDUSTRIAL ZONE, LISHUI DISTRICT, TAIZHOU CITY, ZHEJIANG PROVINCE, CHINA.
REF: ALEX XHANG

Sample Description: Two (2) Pieces of Submitted 100% Polyester Woven Fabric
Applicant's Provided Case Label: -

Date Received/Date Test Started: JUN 20, 2020 JUN 20, 2020
Standard: -
Order No.: -
Item Code: -
Item Description: -
Report's Name: -
Color: -
Manufacturer's Name: -
Supplier: -
Ref: -

Conclusion: Perfluorinated And Polyfluorinated Substances (PFAS) (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NN) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

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Website: www.intertek.com.cn

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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



C1 – EcoGuardian™ 400D PU (绿色生态系列)

Engineering Story 技术故事

Engineering Story: We redefine safety standards for outdoor products.
This is more than just a cover; it's a green promise compliant with top global eco-certifications, bringing technology back to human-centric care.

我们重新定义了户外产品的安全基准，这不仅是一款保护的罩子，
更是一个符合全球最高生态认证的绿色承诺，让科技回归人性化关怀。



REACH Compliance (European Union Standards) REACH 合规性 (欧盟标准)	100%
Color Fastness (European Standard) 色牢度 (欧标)	Grade 4
OEKO-TEX® Standard 100 生态纺织品认证	Compliant

100% Fabric Customization 支持100%面料定制

HD-DT-0068-PU



C2 – WinterArmor™ 600D Flex (轻量工程体系)

Engineering Story 技术故事

We endow the fabric with a skin-friendly touch through fine-denier technology and solve the coating brittleness issue in extreme cold. This is "gentle armor" customized for premium paintwork, fearless of freezing winters.

我们通过细旦丝工艺赋予面料亲肤级触感，并解决了涂层在极端低温下的脆裂难题，这是为昂贵漆面定制的“温柔铠甲”，无惧严寒风雪。



Cold Crack Resistance (-20°C)
低温弯折

No cracking

California Proposition 65 Compliance
加州65合规性

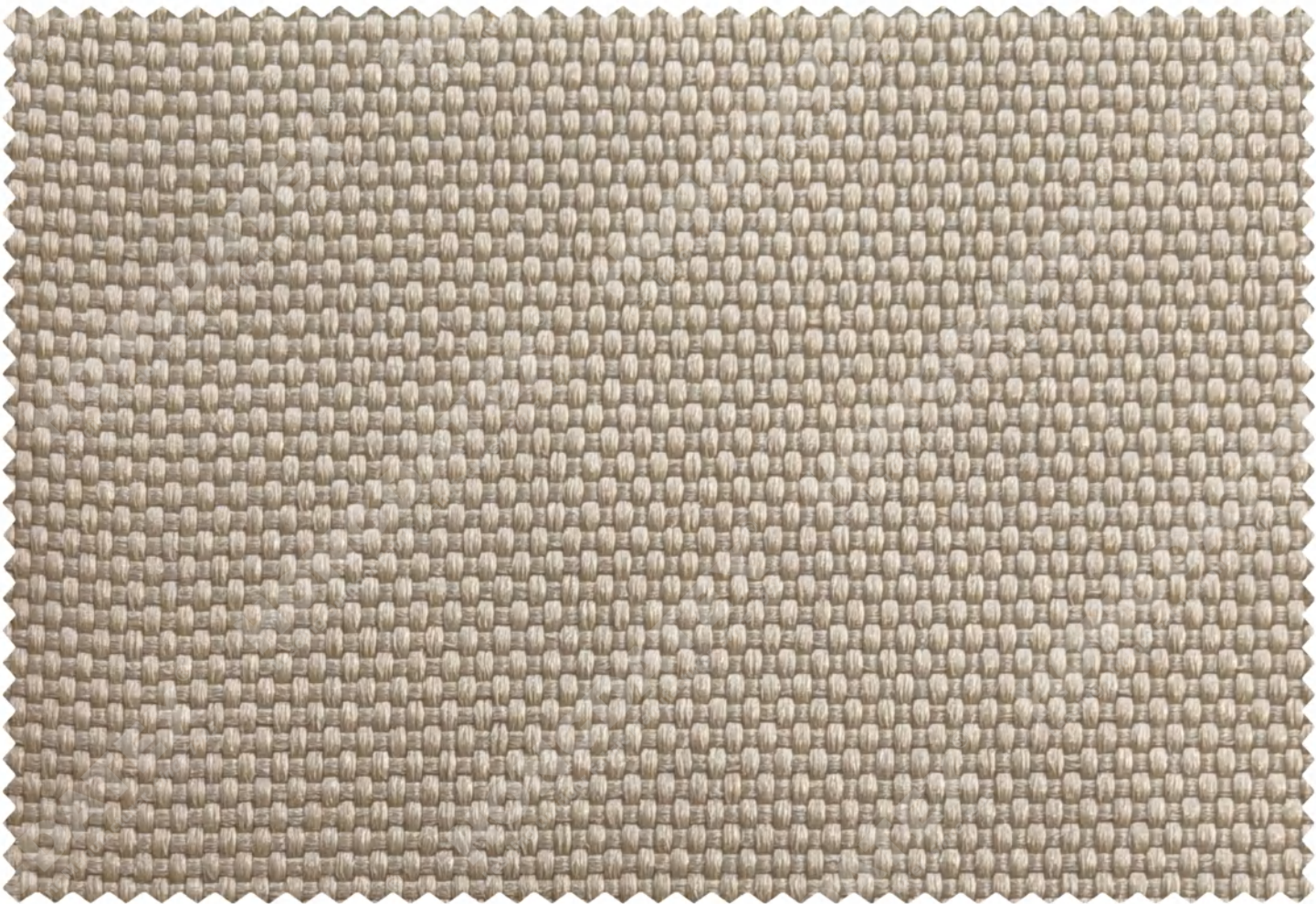
Compliant

Seam Strength (ASTM D1683)
车缝强度

180-350N

100% Fabric Customization 支持100%面料定制

HD-DT-0146-PU



C3 – UltraFade™ 300D SDP (旗舰触感系列)

Engineering Story 技术故事

Designed for appearance- and touch-focused products such as furniture covers and cushion covers. Through fine-denier yarns and soft finishing, it achieves a balance between skin-friendly softness and stable durability.

专为注重外观与触感的产品，如家具罩、靠垫套设计，
通过细旦纱线与柔软后整理工艺，在亲肤柔软与稳定耐用之间实现完美平衡。



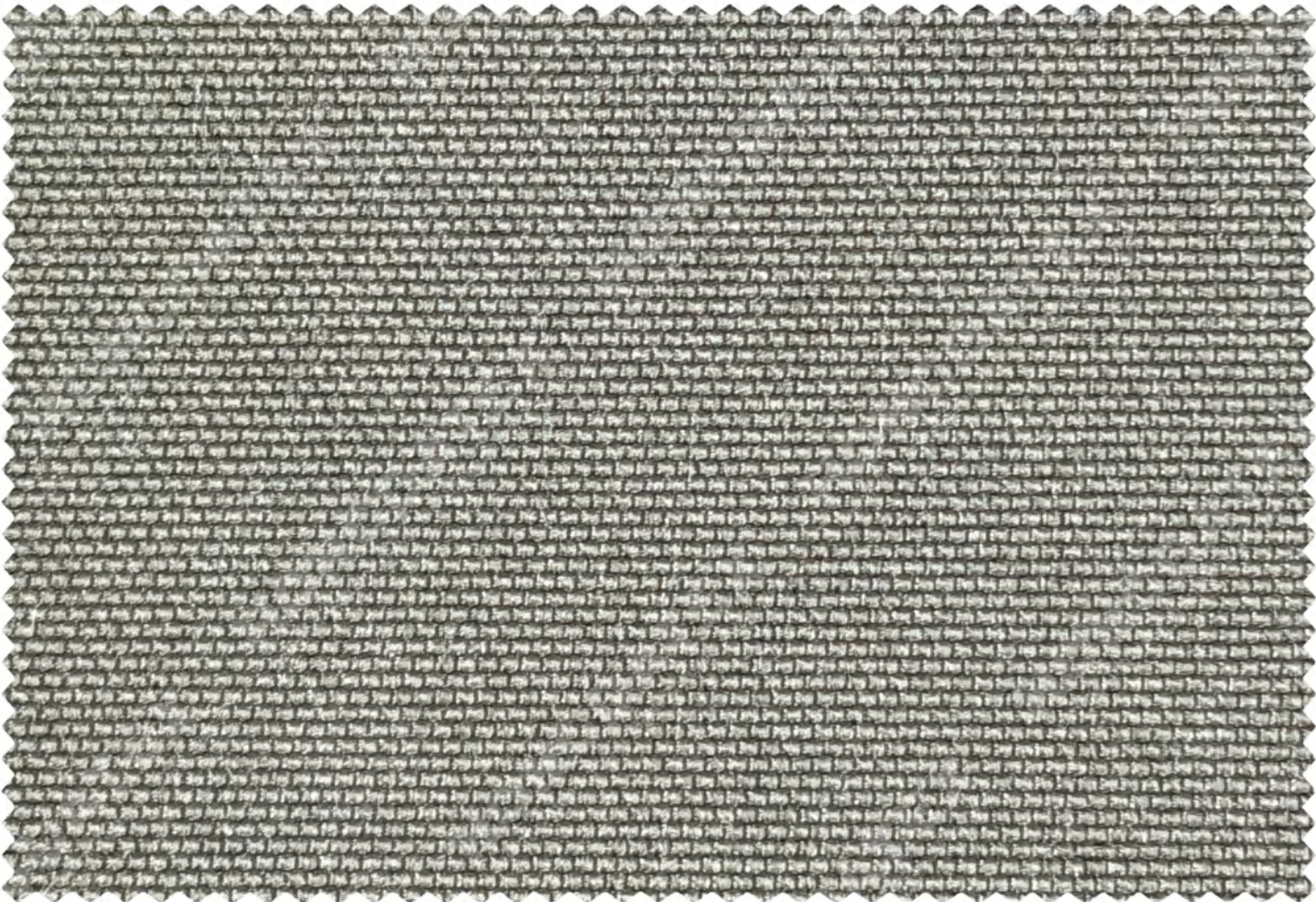
Retained tensile after UV200h
UV200h后强力保留 **≥ 70%**

Tear Strength (ASTM D1424)
撕裂强力 **≥ 45-60N**

Hydrostatic Pressure
静水压 **≥ 1000-2000mm**

100% Fabric Customization 支持100%面料定制

HD26-65



C4 – GrillShield™ 600D Pro (硬核防护系列)

Engineering Story 技术故事

Engineered for hardcore protection. Utilizing a high-weight 600D weave combined with self-cleaning technology tailored for grilling environments, we achieve a delicate balance between physical defense and daily maintenance.

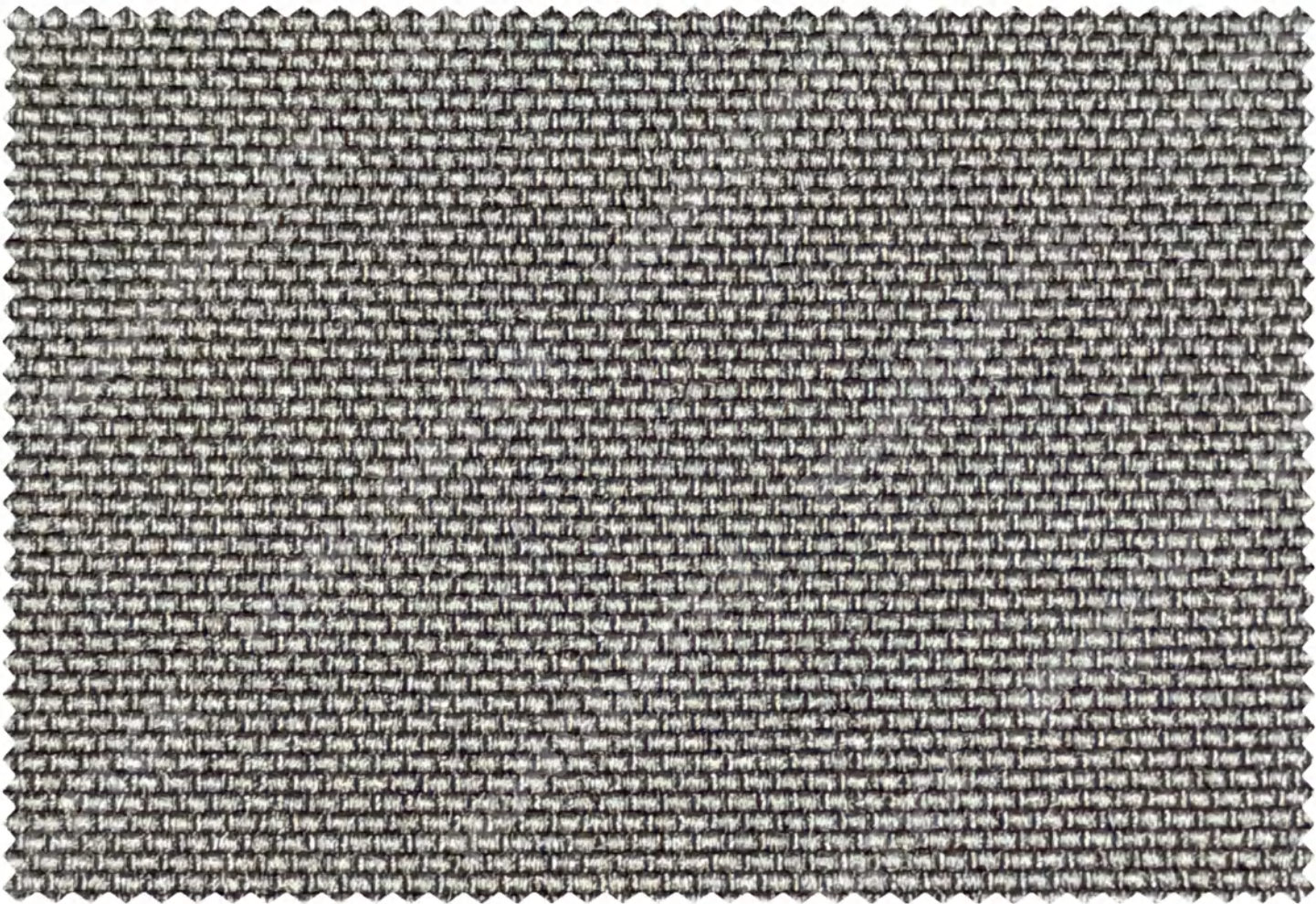
专为硬核保护而生，我们采用了高克重600D编织工艺，并针对烧烤环境引入了自清洁技术，在物理防御与日常维护之间达到精妙的平衡。



Tear Strength (ASTM D1424) 撕裂强力	≥ 45-60N
Color Fastness to Light (AATCC 16) 色牢度 (美标)	Grade 4
Heavy Duty Performance 重甲厚度	240GSM

100% Fabric Customization 支持100%面料定制

HD26-43



C5 – SolisEndure™ 300D Ultra (美学长效系列)

Engineering Story 技术故事

Dedicated to reshaping the aesthetic durability of outdoor spaces. By integrating pigments and HALS into the fiber molecular chain, we solve the aging dilemma of dark colors under intense sunlight, making your covers a lasting piece of “patio art”.

致力于重塑户外空间的美学持久力。通过将色彩与受阻胺光稳定剂（HALS）融入纤维分子链，我们解决了深色系在极强日照下的老化难题，让防护罩成为长久陪伴的“庭院艺术品”。



Solution Dyed
原液染色

$\Delta E < 1.0$

Hydrostatic Pressure
静水压

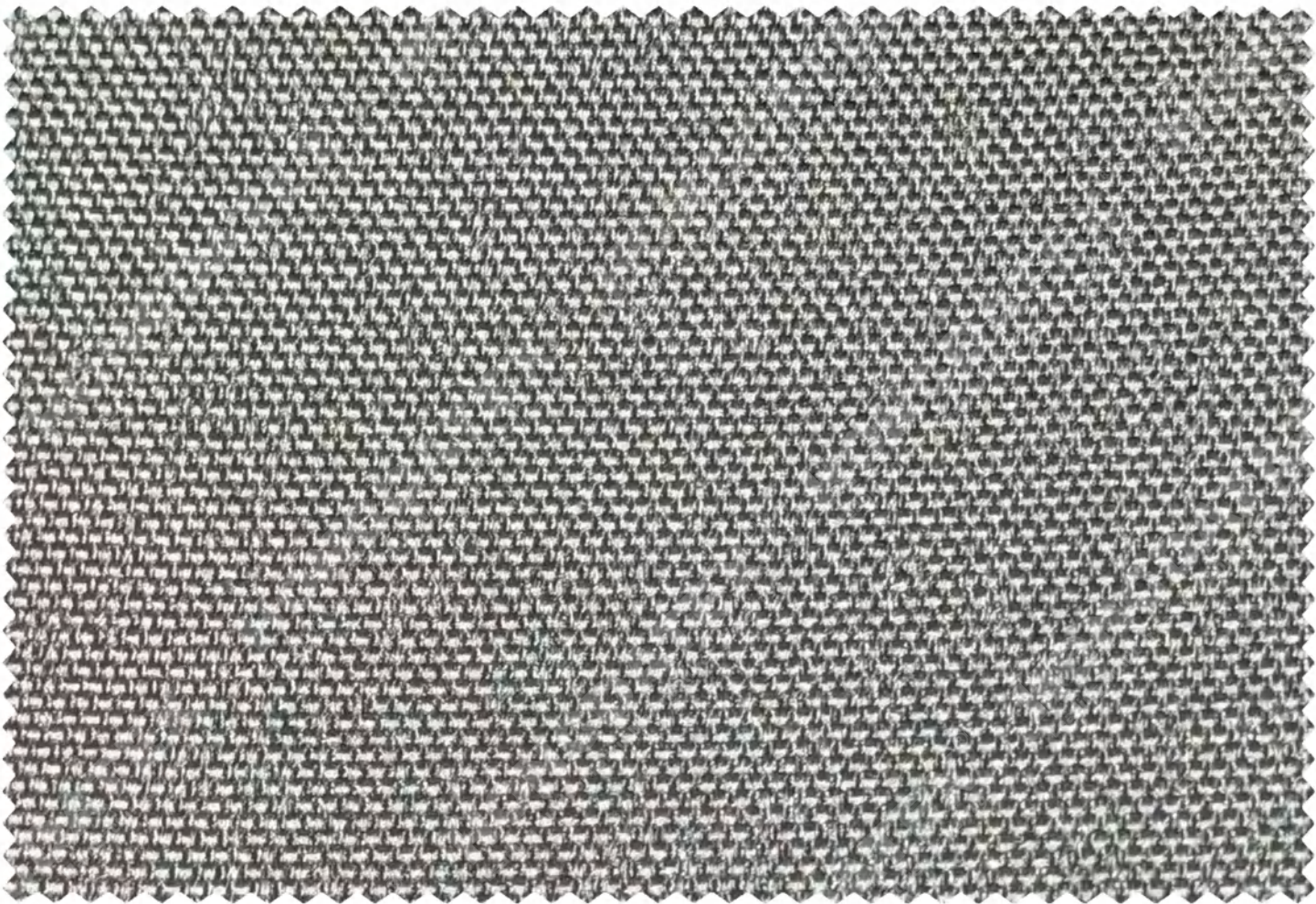
$\geq 1000-3000\text{mm}$

Lightweight Performance
轻便性

130GSM

100% Fabric Customization 支持100%面料定制

HD26-74



C6 – MarineBreeze™ 300D Air (海事全能系列)

Engineering Story 技术故事

Engineering Story: Designed specifically for complex marine environments. This system provides a top-tier hydrostatic barrier while ensuring efficient air circulation, building a "breathable" line of defense for expensive internal yacht components.

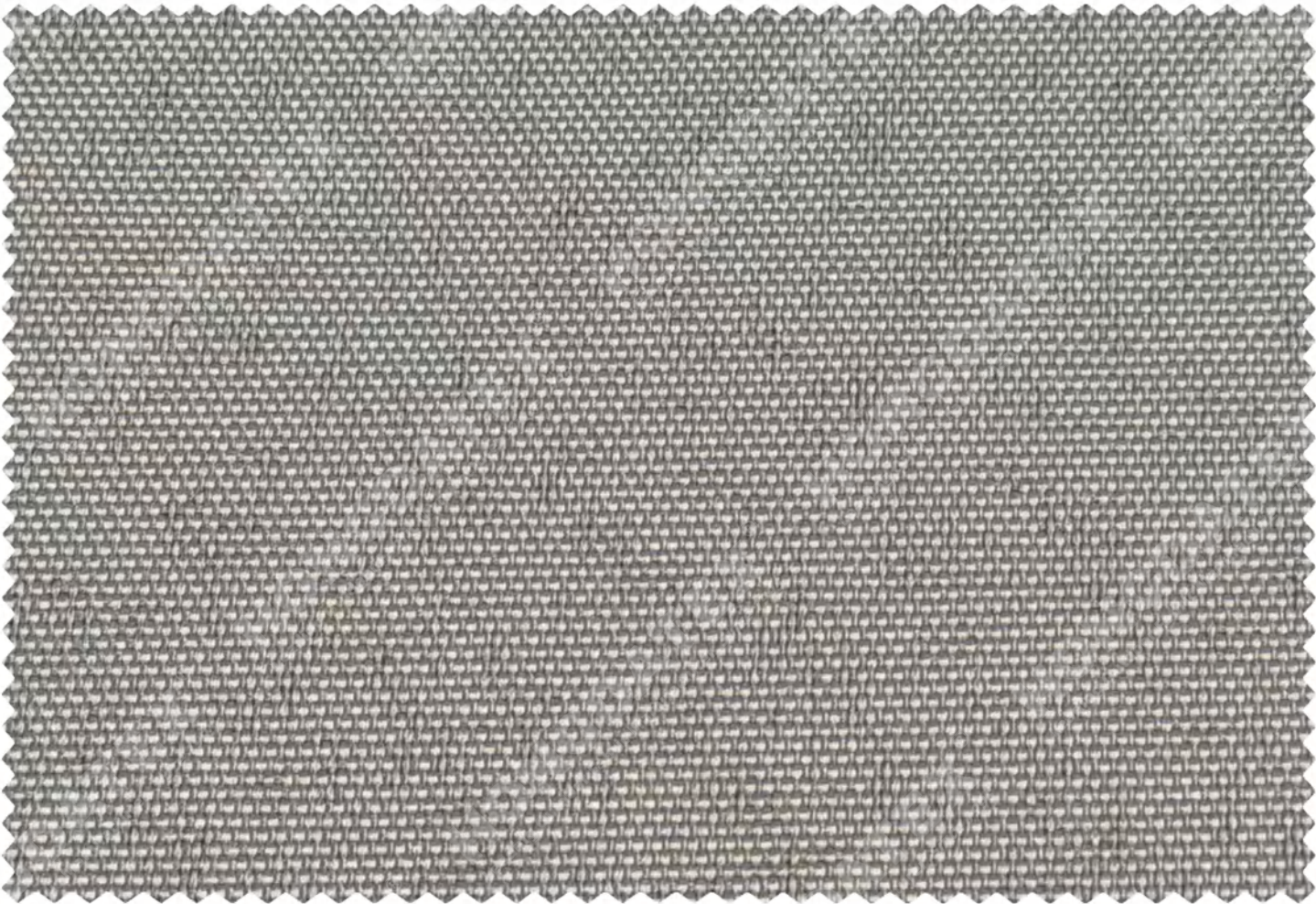
专为复杂海事环境设计。该体系在提供顶级静水压屏障的同时，兼顾了高效的空气流通性，为游艇内部的精密昂贵部件筑起了一道“会呼吸”的防线。



Hydrostatic Pressure 静水压	$\geq 1500\text{-}2000\text{mm}$
Solution Dyed 原液染色	$\Delta E < 1.0$
PFAS-Free Testing 无氟检测	20-50ppm

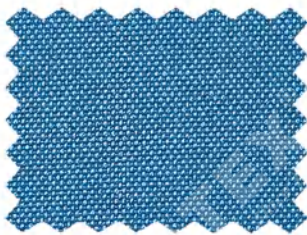
100% Fabric Customization 支持100%面料定制

HD26-73



More Fabric Options 更多面料选择

01



(HD26-156-OX) 400D 140GSM
PU WR RPET



(HD-PVC-0065) 300D 450GSM
PVC Yarn-Dyed



(HD26-04) 300D 320GSM
PVC WR



(HD26-49) 500D 280GSM PU
Europe Eco-Label



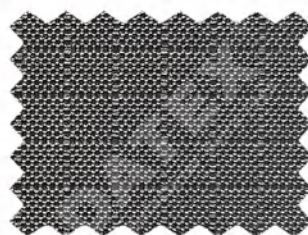
(HD26-54) 500D 470GSM
PVC WR



(HD26-55) 500D 350GSM PVC



(HD26-52) 400D 420GSM PVC



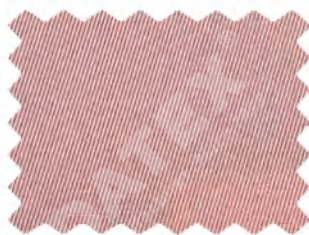
(HD26-12) Ripstop 600D
430GSM PVC



(HD26-51) 400D 130GSM PU
WR



(HD26-30) 300D 255GSM PU
Dope-Dyed



(HD26-40) 300D 310GSM PVC
Yarn-Dyed



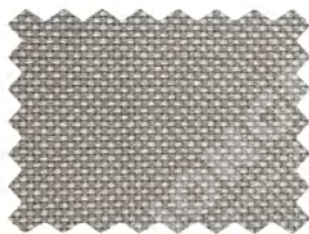
(HD26-31) 260GSM PVC
Non Woven WR



(HD-DT-0065-PVC) 400D
530GSM PVC DTY



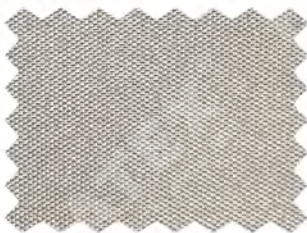
(HD-DT-0108-PVC) 300D
520GSM PVC DTY



(HD-DT-0125-PVC) 400D
400GSM PVC DTY



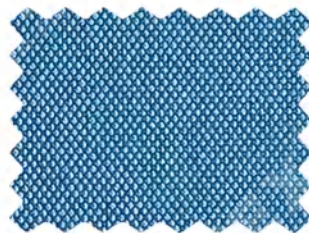
(HD-CS-0147-PU) 150D
105GSM PU FDY WR



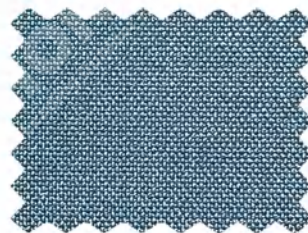
(HD-CS-0148-PU) 210D
70GSM FDY PU



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



(HD26-70) 200D 390GSM PVC



(HD26-58) 400D 420GSM PVC

More Fabric Options 更多面料选择



(HD26-46) 300*250D 230GSM
PE



(HD26-48) 500D 360GSM
TPU WR



(HD26-51) 400D 130GSM
PU WR



(HD26-32) 500D 210GSM PU



(HD26-56) 400D 420GSM PVC



(HD26-61) 400*300D 110GSM
PVC



(HD26-63) 400*300D 110GSM
PU



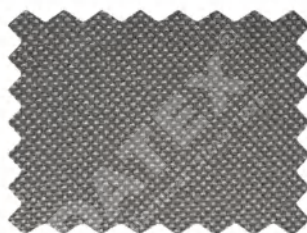
(HD26-74) 130GSM PU
Yarn-Dyed WR 3000mm



(HD-DT-0062-PVC) 400*400D
260GSM PVC



(HD-DT-0068-PU) 400*400D
225GSM PU



(HD-DT-0075-PE) 400*400D
260GSM PE



(HD-DT-0107-PVC) 500*300D
300GSM PVC



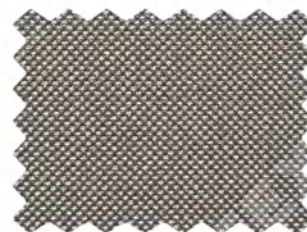
(HD26-33) 500D 210GSM PU



(HD-DT-0116-PVC) 400*300D
540GSM PVC



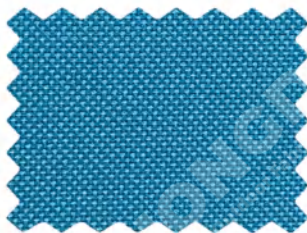
(HD-DT-0121-PVC) 300*300D
370GSM PVC



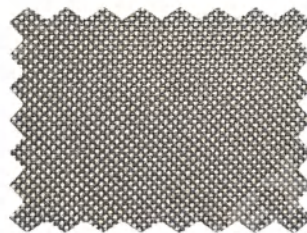
(HD-DT-0129-PVC) 300*300D
370GSM PVC



(HD-DT-0130-PVC) 600*300D
370GSM PVC



(HD-DT-0131-PVC) 600*300D
350GSM PVC

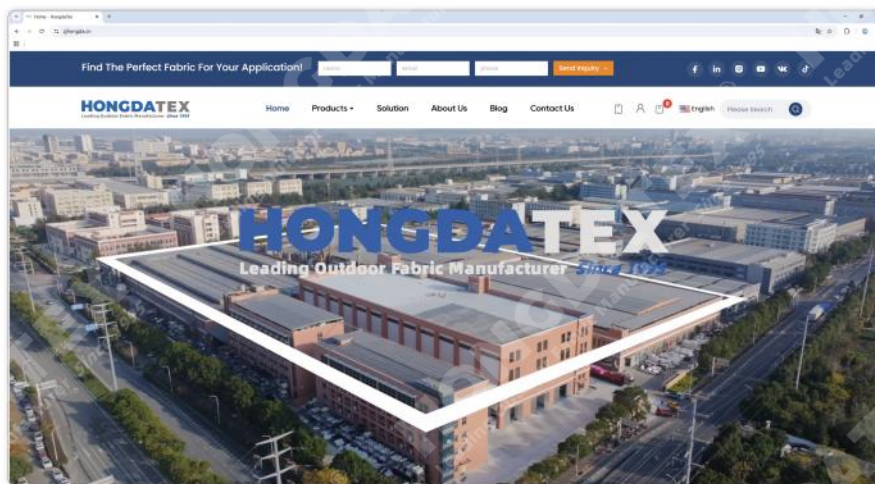


(HD-DT-0143-PVC) 500*500D
620GSM PVC



(HD26-09) 600D 450GSM PVC

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

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