

Rank forward in Asia and the First in Taiwan

UHMWPE Fiber independent research and development and professional manufacturer.

Provide you with high-strength and lightweight protection and safety solutions.

About DHS

DHS Innovation Technology Co., Ltd., was established in Tainan Anping Industrial Park, Taiwan. As a pioneer in the independent research and development of UHMWPE fiber yarn and fabric in Taiwan, DHS is the only company domestically equipped with a complete production line and a professional R&D team dedicated to the development of high-specification products.

In addition to maintaining a good relationship with internationally renowned groups, DHS is also a key driver and promoter of adhering to the principle of "Defense Autonomy, Made in Taiwan," to adopt better bulletproof material "UHMWPE fiber. With strong technical capabilities in bulletproof material development and production, DHS provides robust support and lightweight solutions for military, law enforcement, and land, sea, and air defense security.



- ★ Passed ISO9001 Quality Management System Certification.
- ★ Passed ISO/IEC 27001:2022 Information Security Management System
- ★ Yarns have been tested by international SGS organization.
- ★ Professional internationalized machine quality inspection

- ★ Honored listed is one of the world's leading ballistic fabric manufacturers on BodyArmorNews.com, the world's leading bulletproof armor media.
- ★ Recognized as one of the potential defense emerging companies by Taiwan Ministry of Economic Affairs in the 2024 Taiwan Early Investment Trend Annual Report.
- ★ The only UHMWPE ballistic material fabrics member company of TW-DIDA National Defense Industry Development Association.
- ★ The first company in Taiwan to have its own bullet-proof soft armor passed the international Element U.S. Space & Defense recognized 0101.06 IIIA bullet-proof standard.
- ★ Self-made bullet-resistant defense plate passed the NIJ-STD-0101.06 Level III (ICW) bullet-proof standard.
The first company in Taiwan to receive TAF accreditation for ISO/IEC 27001:2022 information security certification through Ares International Certification CO., LTD. specializing in UHMWPE fiber laminated fabrics..
- ★ Got Taiwan invention patent of "Bulletproof helmet and its cutting and laying-forming method".
- ★ "Passed" 12 assessments of the bulletproof Fabric Military Products factory by the "National Defense Technology Institutions" and AHCCDDI.org

DHS' s Excellent UHMWPE fabrics

Lightweight x Comfortable x Professional

The finished product by this fabric has passed the bullet test of the NTS organization recognized by the NIJ Association. Provides maximum lightweight comfort with DHS® UD Fiber Laminated Fabric, a solution that delivers maximum strength with minimum weight to help you perform your duties in unpredictable environments for extended periods of time with flexible ballistic protection.



High Strength
Fabric



Multi-layer
Fabrics



Abrasion Resistant
Fabrics



Water Repellent
Fabric



Tear-resistant
Fabrics



Lightweight
Fabrics



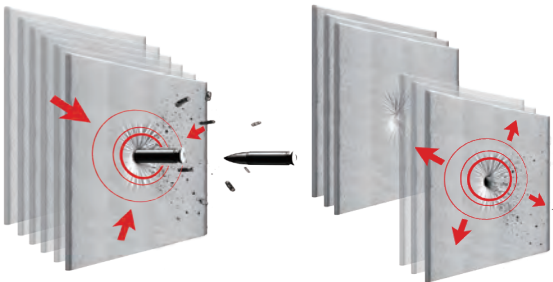
UV resistant
Fabrics



DHS's lightweight and durable UHMWPE fiber archives full absorption of a bullet's kinetic force

DHS® High-Strength Bulletproof Fiber™ is manufactured by combining melting with molecular engineering using an exclusive formula, polyethylene molecular reorganization gel spinning technology, through intelligent temperature-controlled heating and super-duper stretching, to spin into a high-strength bulletproof fiber.

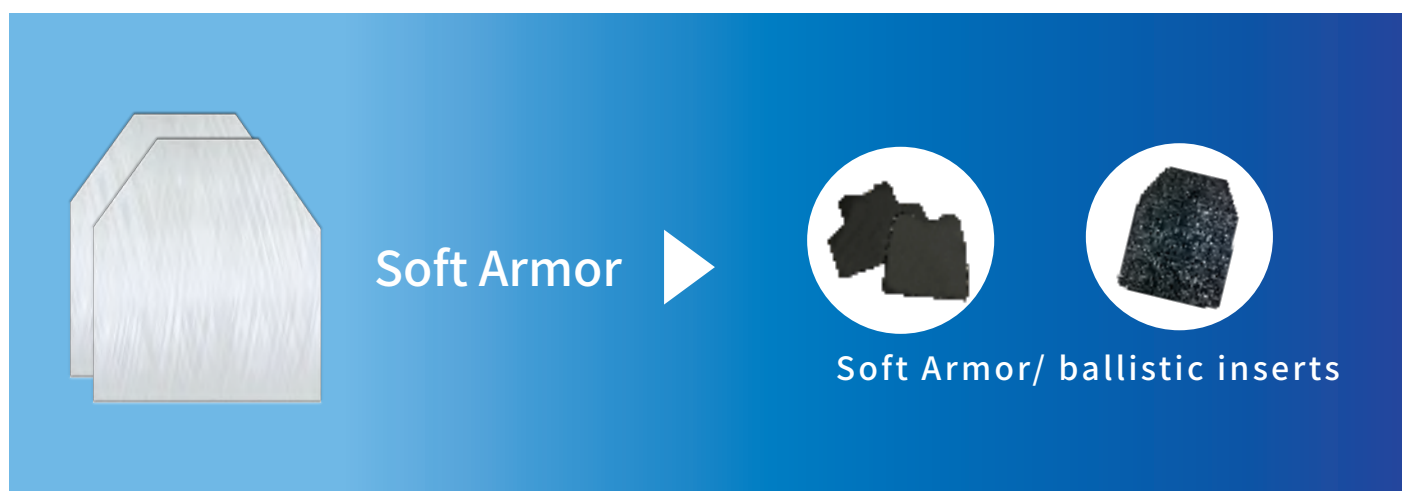
The fibers are interwoven vertically and horizontally at a right angle of 0-90 degrees, with the exclusive film fastening embedded design, so that the fabric bullet impact area can effectively and uniformly absorb the distribution of sub energy of more than 80%, prompting the warhead to fragmentation and consumption of penetration kinetic energy, the fiber laminated fabric lightweight absorption of the remaining energy of the bullet to complete the sturdy armor protection!



Force on UD
in 1st Time

Energy propagation
of UD in 2nd Time

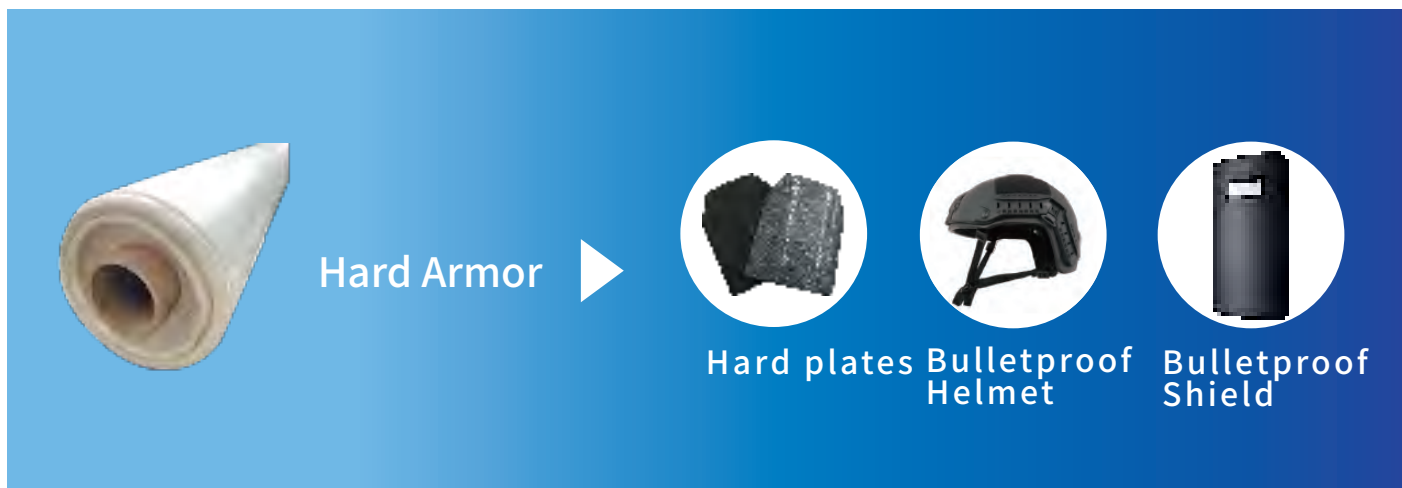
DHS' s UHMWPE Soft Armor Series



Soft Armor Product Specification

Fabrics UD Item No.	DHS-TW01-1UD	DHS-TW01-2UD	DHS-TW01-4UD	DHS-TW01-6UD
Width	1.50-1.60m			
Material	Ultra High Molecular Weight Polyethylene / UHMWPE fiber			
Type/ Color	Preimmersed/ White color			
THICKNESS/ PCS	0.04-0.05mm	0.08-0.11mm	0.16-0.22mm	0.25-0.35mm
Areal Weight	36-47g/m ²	73-94g/m ²	146-188g/m ²	220-280g/m ²
SPECIAL THREATS TESTED	0.357 SIG FMJ FN 0.44in Mag. SJHP			
PROTECTION LEVEL	Level IIIA NIJ 0101.06			

DHS' s UHMWPE Hard Armor Series



Hard Armor Product Specification

Fabrics UD Item No.	DHS-TW02-1UD	DHS-TW02-2UD	DHS-TW02-4UD	DHS-TW02-6UD
Width	1.50-1.60m			
Material	Ultra High Molecular Weight Polyethylene / UHMWPE fiber			
Type/ Color	Preimmersed/ White color			
THICKNESS/ PCS	0.04-0.05mm	0.08-0.11mm	0.16-0.22mm	0.25-0.35mm
Areal Weight	36-47g/m ²	73-94g/m ²	146-188g/m ²	220-280g/m ²
SPECIAL THREATS TESTED	7.62 mm NATO FMJ 7.62×51mm NATO M80			
PROTECTION LEVEL	Level III NIJ 0101.06 (ICW) In Conjunction with NIJ IIIA vest			

Ultra-high molecular weight polyethylene fiber is widely used

The military industry includes personal protective equipment, aerospace, aviation, bulletproof, mooring ropes, transportation and transportation bulletproof, etc., spanning land, sea and air to establish all-round military defense for national defense.

Military
Bulletproof



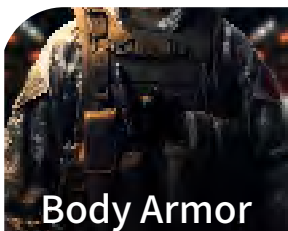
Flight
Anti ballistic



Ship
Protection



DHS' s high strength UHMWPE Fiber and UD Fabrics, specialized in 4 major protective applications, to build all-round safety solutions for you.



Body Armor

Providing essential core components for protective equipment manufacturers and retailers.

- Soft Armor/ ballistic inserts
- Hard plates
- Bulletproof protective gear liner



Military
Protection

Collaborating with factories to supply military and law enforcement organizations with high-quality, critical protective equipment.

- Bulletproof Vest
- Bulletproof Helmet
- Bulletproof Shield



Vehicle Armor
Security

Non-intrusive installation can be considered, with enhanced ballistic protection for the attacked part of the transportation vehicle.

- Tank liners/ Submarine deck
- Bulletproof cockpits/doors/chassis
- Engine & Ammunition Compartment Defense



Advanced
Material Solutions

Bullet and cut-resistant composites designed for diverse scenarios.

- Anti-Scratch and cut resistant outdoor products
- Satellite radar shields
- Bunker command post walls, etc.



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Welcome to contact us!

