Hebei Zhongchen Advanced Material Technology Co., Ltd.

HDPE & UHMWPE Solutions | 30+ Years Expertise

About Us









Advanced Production Excellence

With a 50,000㎡ integrated manufacturing base,
we operate a fully equipped production ecosystem:

Heavy-Forming Capacity

20+ large compression presses specialize in UHMWPE thick plates (up to 300mm) and complex custom profiles.

High-Volume Precision Extrusion

100+ advanced extrusion lines ensure efficient, consistent output of HDPE/UHMWPE sheets, pipes, and structural profiles.

Deep-Processing Expertise

50+ CNC machining centers deliver precision-cut components, custom fabrications, and finished engineered parts.

Production Workshop

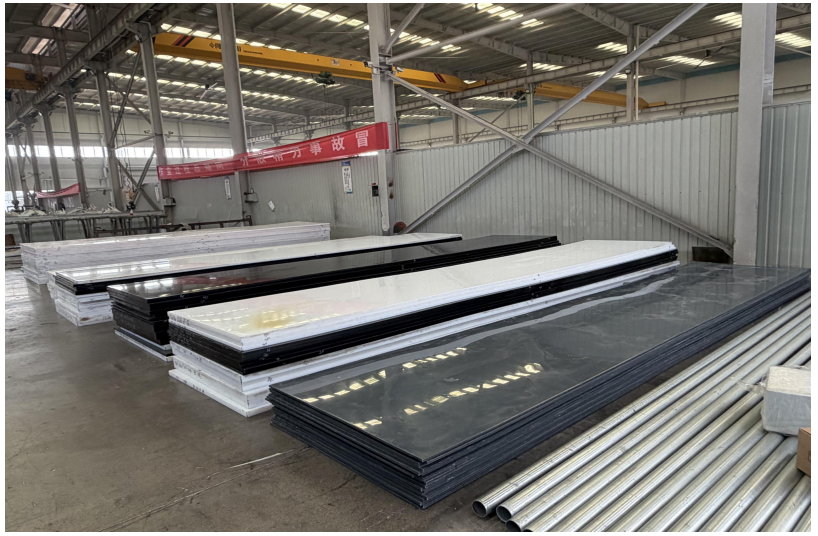








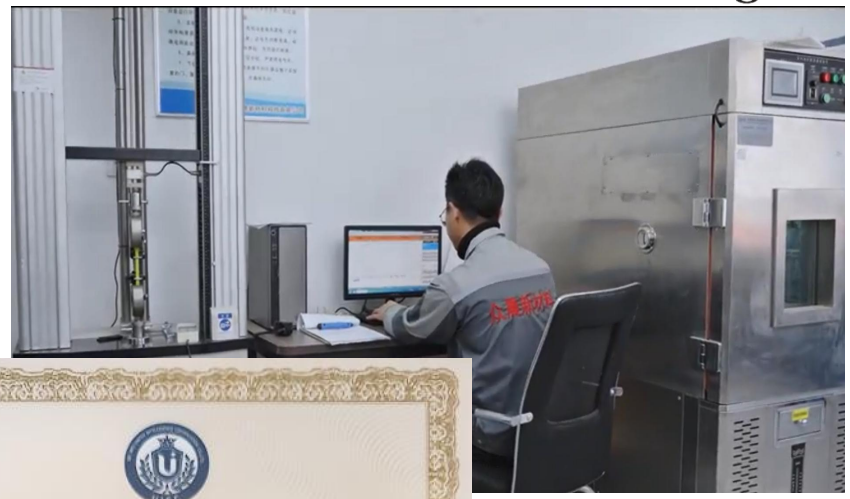




Laboratory & Company Credentials









OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATION CERTIFICATE

Hebei Zhongchen New Material Technology Co., Ltd.

Registered Address: Jingxian High tech Industrial Development Zone, Hengshui City, Hebei Province
Business Location: Jingxian High tech Industrial Development Zone, Hengshui City, Hebei Province
Production Address: Jingxian High tech Industrial Development Zone, Hengshui City, Hebei Province

The Occupational Health and Safety Management System Conforms to the Standard
GB/T45001-2020/ISO45001:2018

Certified Scope
Production of ultra-high molecular weight polyethylene sheets and polypropylene products (excluding licensed products) and related management activities

Unified Social Credit Code: 91131127308332941P
Registration No.:04323S40745R0M
First Issuing Date:19 May. 2023
Issuing Date: 19 May. 2023
Altering Date: 27 May. 2025
Expiration Date: 18 May. 2026

Beijing United Intelligence Certification Co., Ltd.

Issued By :

IAF CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C043-M



QUALITY MANAGEMENT SYSTEM CERTIFICATION CERTIFICATE

Hebei Zhongchen New Material Technology Co., Ltd.

Registered Address: Jingxian High tech Industrial Development Zone, Hengshui City, Hebei Province
Business Location: Jingxian High tech Industrial Development Zone, Hengshui City, Hebei Province
Production Address: Jingxian High tech Industrial Development Zone, Hengshui City, Hebei Province

The Quality Management System Conforms to the Standard
GB/T19001-2016/ISO9001:2015

Certified Scope
Production of ultra-high molecular weight polyethylene sheets and polypropylene products (excluding licensed products)

Unified Social Credit Code: 91131127308332941P
Registration No.:04324Q32226R0M
First Issuing Date:02 Sep. 2024
Issuing Date: 02 Sep. 2024
Altering Date: 27 May. 2025
Expiration Date: 01 Sep. 2027

Beijing United Intelligence Certification Co., Ltd.

Issued By :

IAF CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C043-M



ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATION CERTIFICATE

Hebei Zhongchen New Material Technology Co., Ltd.

Registered Address: Jingxian High tech Industrial Development Zone, Hengshui City, Hebei Province
Business Location: Jingxian High tech Industrial Development Zone, Hengshui City, Hebei Province
Production Address: Jingxian High tech Industrial Development Zone, Hengshui City, Hebei Province

The Environmental Management System Conforms to the Standard
GB/T24001-2016/ISO14001:2015

Certified Scope
Production of ultra-high molecular weight polyethylene sheets and polypropylene products (excluding licensed products) and related management activities

Unified Social Credit Code: 91131127308332941P
Registration No.:04323E30764R0M
First Issuing Date:19 May. 2023
Issuing Date: 19 May. 2023
Altering Date: 27 May. 2025
Expiration Date: 18 May. 2026

Beijing United Intelligence Certification Co., Ltd.

Issued By :

IAF CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C043-M

Product Introduction

UHMWPE SHEET

UHMWPE Fenders

Crane Outrigger Pads

UHMWPE Conveyor Flight

UHMW guide rail

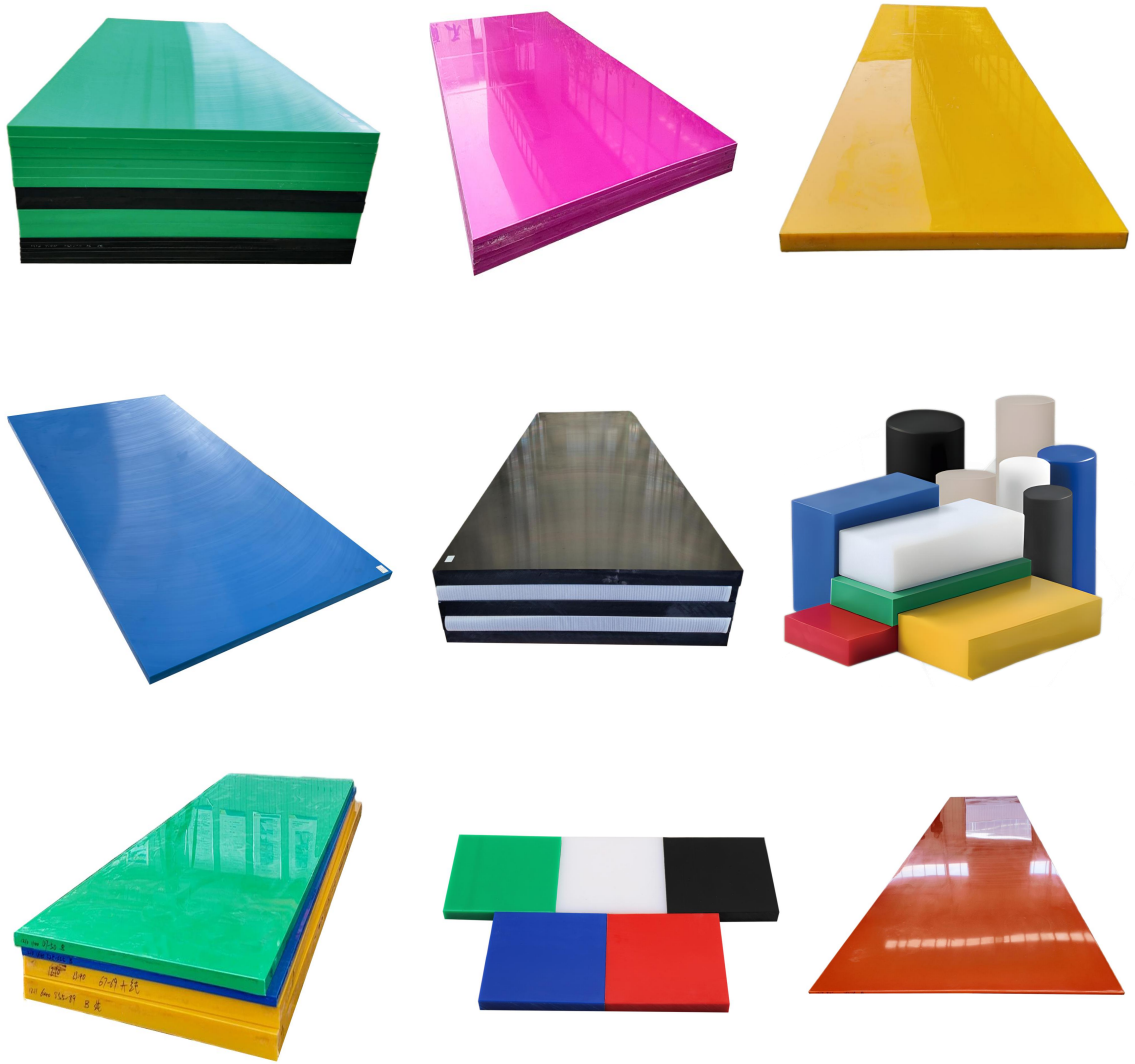
UHMWPE Rods

UHMWPE Film

UHMWPE Sheets

The Ultimate Engineering Polymer
Unmatched Wear & Sliding: Superior abrasion resistance with a low coefficient of friction.
Extreme Toughness: Exceptionally high impact strength across a wide temperature range (-200°C to +80°C).
Hygienic & Stable: FDA-compliant for food contact, with very low moisture absorption and good chemical resistance.
Ideal for:
Food Processing | Conveyor Systems | Bulk Material Handling | Precision Machining

TYPE	SIZE	Molecular Weight	Colors
Flame Retardant Anti-Static Boron Carbide Filled UV-Resistant Glass Fiber Reinforced Kevlar Fiber Reinforced Dual-Color Sheet Dual-Color Sheet Other modifications available upon request.	6180X1550 6180X1260 4100X2050 4100X1550 3050X1550 3050X1250 2440X1220 2000X1000 Thickness: 6-360MM	1.5 million to 12 million	White, Black, Yellow, Green, Blue, Red, Purple, etc..... Available per provided color sample (e.g., RAL, Pantone)
Fully customizable in size and color per your specifications.			

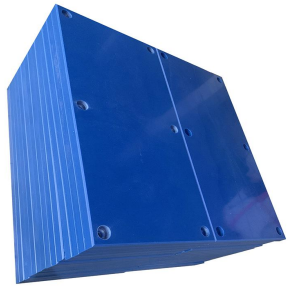


UHMWPE Fenders

Fender panels distributes reaction forces to provide low hull pressures and cope with large tidal variations. ESC recommends high quality UHMW PE Pads as the best material for heavy duty impact protection. Impact resistant and very low in friction. The UHMW Pads allows vessels to move smoothly pas t a fender system.

FEATURES
- Easy to install
- Available in different color and several quality grades
- Does not rot, split or decay
- Fully recyclable. UHMW-PE Sliding Plates.






Crane Outrigger Pads

Ngineered for Safety & Stability
Outrigger crane pads are made from high-quality UHMWPE, offering these core features: - High durability—resistant to cracking and splintering - Chemical and oil resistant for long-lasting performance - Completely waterproof, suitable for all weather conditions - Easy to install, ensuring a safe work environment for heavy equipment

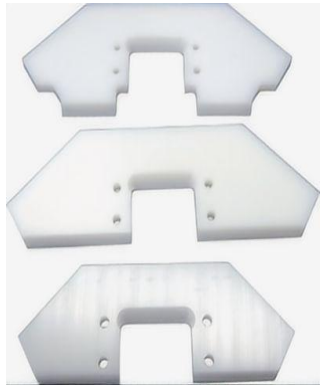
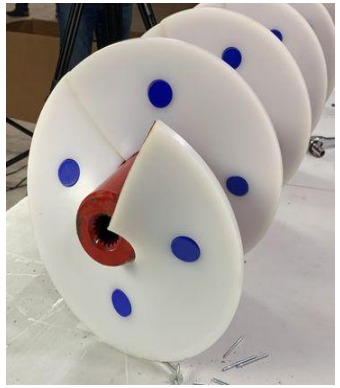



Safety Grind	Groove Surface	Circle Recess Groove	Flat Normal Type
			
Textured (Grit / Stipple Finish)	Anti-slip Grooves / Patterns	Circular Recess Grooves	Standard Smooth

UHMWPE Conveyor Flight

Custom UHMW-PE Drag Conveyor Paddles
China-Made. Virgin UHMW. Engineered to Last.
Precision- fabricated from premium virgin UHMW- PE, our drag conveyor paddles deliver unmatched wear resistance, slick non- stick performance, and reliable operation in demanding environments.
Key Advantages
• 10x longer wear life than carbon steel
• Low- friction surface for higher conveying efficiency
• Withstands extreme temperatures (−270 °C to 160 °C) & harsh chemicals
• Lightweight, spark- free, and corrosion- resistant
Ideal for: mining, agriculture, chemical, food processing, recycling, and heavy- duty conveying systems.

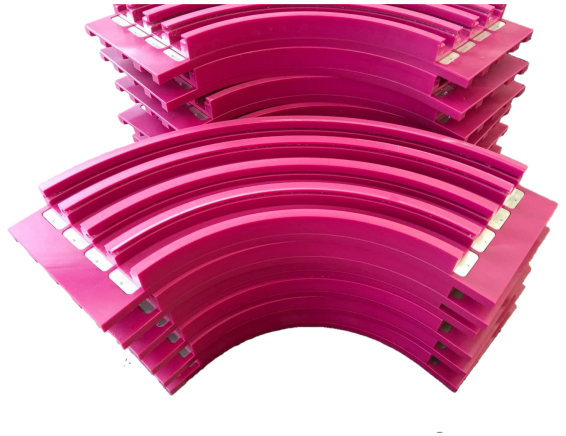



UHMW guide rail

UHMWPE Guide Rails: Engineered for Excellence

•Inherited Superiority:
Fully embody all the outstanding properties of Ultra-high Molecular Weight Polyethylene (UHMWPE).
•Proven Applications:
Widely used in conveyor tracks, protective curved tracks, and similar demanding scenarios.
•Product Range:
Available in multiple series and various grades of UHMW plastic to suit different needs.
•Key Benefits (Chain Guides):
Significantly extend chain service life while reducing operational noise and friction.
•Flexible Procurement:
Offered in standard sizes or customizable to your specific requirements.

UHMWPE Rods

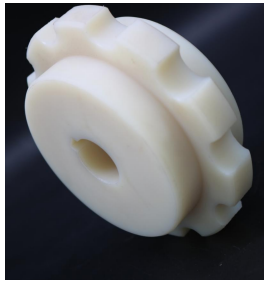
The Ultimate Wear-Resistant Polymer

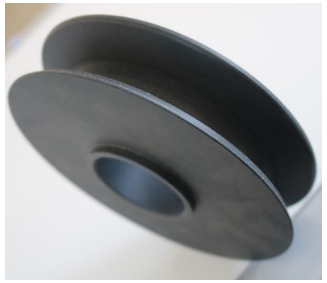
Lightweight, yet extraordinarily tough and easy to machine.
This material combines outstandingabrasion and chemical resistance with a low coefficient of friction, making it ideal for high-wearcomponents.

Perfect for:
Packaging Machinery|Conveyor Systems Bulk Material Liners industrial Bearings & Guides

Size&Colors: White (20-200mm) / Black/Green/Blue (20-120mm) / Custom.



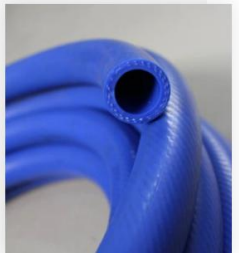



UHMWPE Film

Revolutionizing Performance with UHMW-PE Film

UHMW-PE film transforms rubber components by providing an ultra-smooth, durable surface. In conveyor belts, it prevents material adhesion and reduces friction for energy-efficient operation. For transmission belts, it bonds seamlessly to enhance cleanliness, shear strength, and wear life. In automotive weather strips, it replaces traditional flocking to offer unmatched abrasion resistance and noise reduction with a simplified production process.
Applications: pipe, shipping pallets, truck bed liners.
Custom sized sheeting, die cut parts, or slit rolls available.





We custom-engineer UHMW components from design to delivery. Machined with precision in our controlled CNC facility, every part is backed by rigorous quality control—including 100% molecular weight verification of all raw materials.

Features:
- With very small or large dimensions
- With narrow tolerances
- Ability to make custom sizes
- Extruded or machined processing method
- In complex geometries

Color: White, Black, Yellow, Red, Green, Blue, Customizable

