



CONTACT US

		
Yigou Town, Tangyin County, Henan, China,	Tel: +86 18903729871 Whatsapp: +86 18903729871	http://syuhmwpe.com

CATALOG

- 01 About Us

— 02 HDPE Sheet

— 03 HDPE Sandwich Board

— 04 Synthetic Ice Rink

— 05 Ground Protection Mat

— 06 Outrigger Pad

— 07 UHMWPE Sheet

— 08 Borated Polyethylene
- 09 UHMWPE Fender

— 10 UHMWPE Liner

— 11 Synthetic Ice Curling

— 12 UHMWPE Part

— 13 Soccer Rebound Board

— 14 UHMWPE Conveyor Roller

— 15 HDPE Karting Barriers

— 16 PE Cutting Board



CATALOG

Quick delivery

Trustworthy manufacturer

High quality and reasonable price

Highly recommend using this company

CUSTOMER PRAISE

Good quality

Quick response and nice service.

Good quality and very good communication.

The best service I've had on Alibaba.com

Great Job. Quality product.

Very nice product, fast shipping, great customer service

ABOUT US

01

ABOUT US

Tangyin Sanyou Engineering Plastic Co., Ltd.

Founded in **2013**, Tangyin Sanyou Engineering Plastic Co., Ltd. is a high-tech enterprise dedicated to the R&D and manufacturing of plastic products. The company is located on Tengfei Avenue, Yigou Town, Tangyin County, Henan Province, with a factory area of **30,000** square meters and over **80** skilled employees.

As a technology-driven manufacturer, the company has obtained ISO management system certification and CE certification, along with multiple national patents and authoritative test reports—fully demonstrating its product quality and technical strength. Our products are exported to many countries around the world, and we have actively participated in international exhibitions to expand our global presence.



30000m²
factory area



30+
national patents



10+
official test reports



20+
Exported to 20+ countries



02 HDPE SHEET

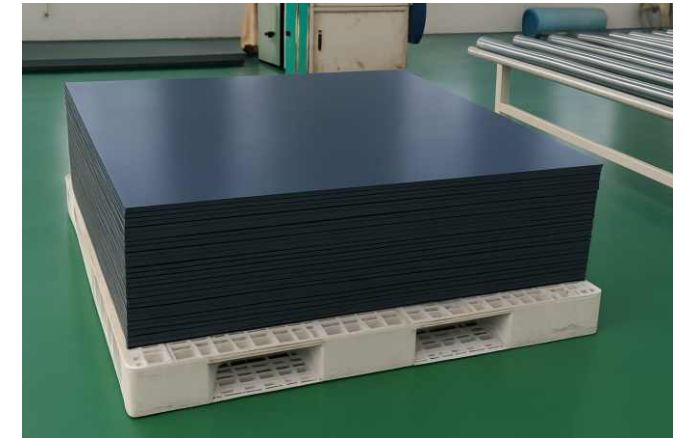
High Performance - More Durable - Wide Application

QUALITY
MATERIALS
BETTER
FUTURE



HDPE Sheet

HDPE sheets: weatherproof, chemical-resistant, impact-proof, and immune to rot, mold, and insects. With a service life far exceeding traditional materials, they deliver durable protection for any outdoor application.



01

High impact resistance



02

Resistant to corrosion, insects, and mold



03

Withstands extreme weather conditions



04

Resistant to chemical corrosion

Chemical



Machinery



Mining



Construction



Playground Equipment



HDPE Sandwich Board



HDPE Sandwich Board is not only good chemical and impact resistance but also resistant to rotting, insects and mildew, making it longer using life than traditional materials. HDPE sheet is typically used in outdoor applications as it can withstand some of the most extreme weather.

01 Exceptional wear resistance

02 Excellent chemical resistance

03 High impact resistance

04 Extremely low water absorption



Playground Equipment

Outdoor Furniture

Signs

HDPE motorcycle

QUALITY
MATERIALS
BETTER
FUTURE



03 HDPE Sandwich Board

High Performance - More Durable - Wide Application

Synthetic Ice

No matter the weather — hot or cold — your ice skating dream starts now. With self lubricating technology, our synthetic ice delivers unmatched smoothness. From pro training rinks to backyard skating areas, Sanyou Synthetic Ice creates the perfect surface for every need.



01

Extremely
low friction



02

High wear
resistance



03

Non-absorbent &
moisture-resistant



04

Lightweight &
easy to install

Commercial Ice Rink



Entertainment Venue



Household



Hockey Training Rink



04 Synthetic Ice

High Performance - More Durable - Wide Application

QUALITY
MATERIALS
BETTER
FUTURE



Ground Protection Mat



Heavy duty HDPE temporary road panels with high load capacity, anti-slip, UV resistant, reusable and easy to install. Ideal for construction sites, lawn protection, mud ground and heavy machinery access. Factory direct, custom size available.

01 High Compression & Load Capacity

02 Anti-Slip Surface Design

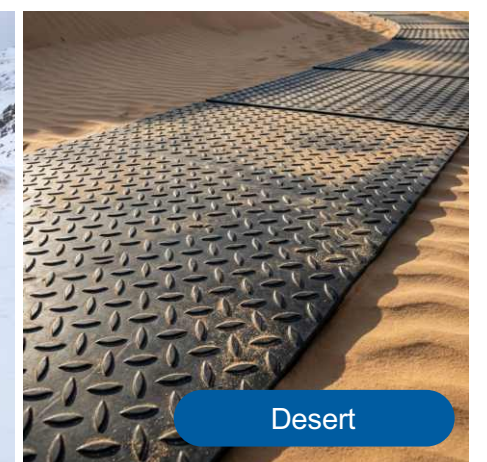
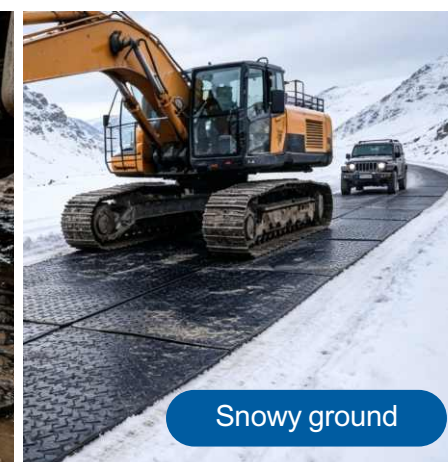
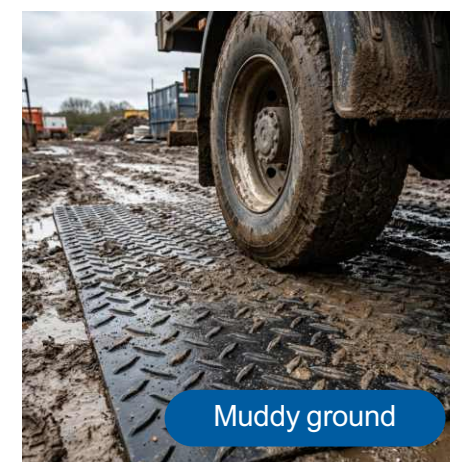
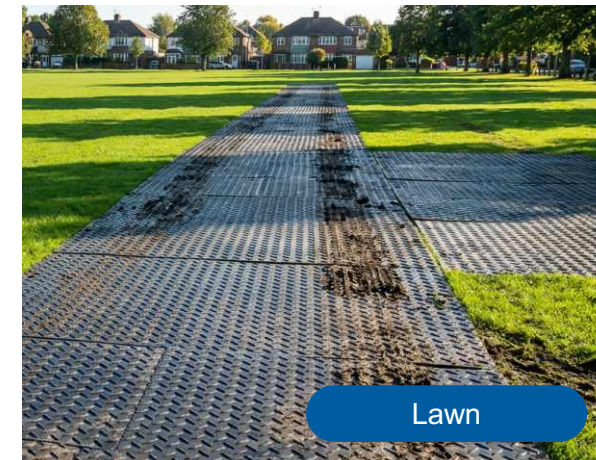
03 UV & Weather Resistant

04 Reusable & Durable

05 Ground Protection Mat

High Performance - More Durable - Wide Application

QUALITY
MATERIALS
BETTER
FUTURE



Outrigger Pad

Made from ultra-high-molecular-weight polyethylene (UHMW-PE), the Outrigger Pad maintains excellent structural integrity even under extremely heavy loads, making it an ideal alternative to traditional sleepers and steel plates.



01

Can be reused



02

Weather-resistant and impact-resistant



03

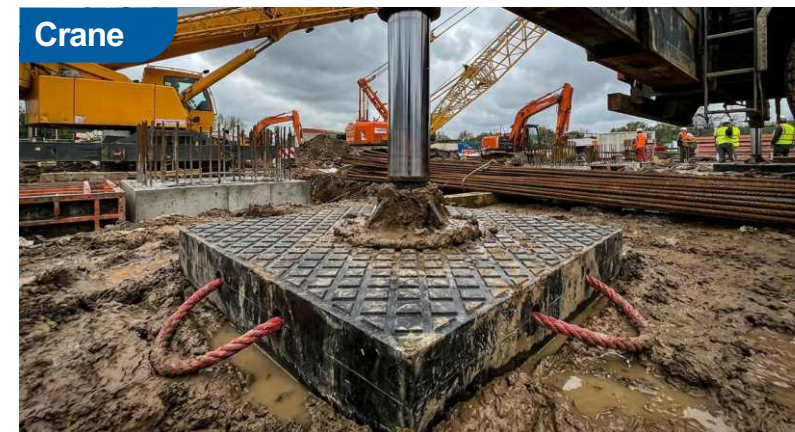
Protects the ground and prevents subsidence



04

Slip-resistant safety design

Crane



Soft soil foundation



Concrete pump truck



Large Machinery



06 Outrigger Pad

High Performance - More Durable - Wide Application

QUALITY
MATERIALS
BETTER
FUTURE



07 UHMWPE Sheet

High Performance - More Durable - Wide Application

QUALITY
MATERIALS
BETTER
FUTURE



UHMWPE Sheet



UHMWPE sheet is a high-performance engineering plastic offering superior abrasion resistance, impact strength, and self-lubrication. Widely used for wear linings and transmission parts in machinery, mining, cement, port, and food industries.

01 High Compression & Load Capacity

02 Anti-Slip Surface Design

03 UV & Weather Resistant

04 Reusable & Durable



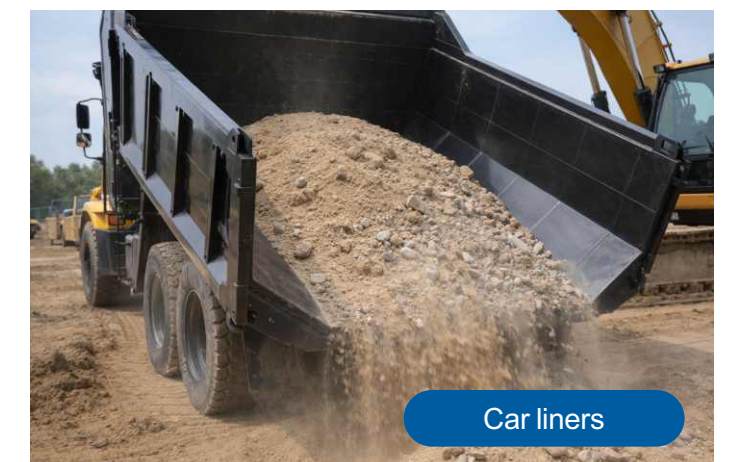
Chute liners



Conveyor wear strips



UHMWPE Fender



Car liners

QUALITY
MATERIALS
BETTER
FUTURE

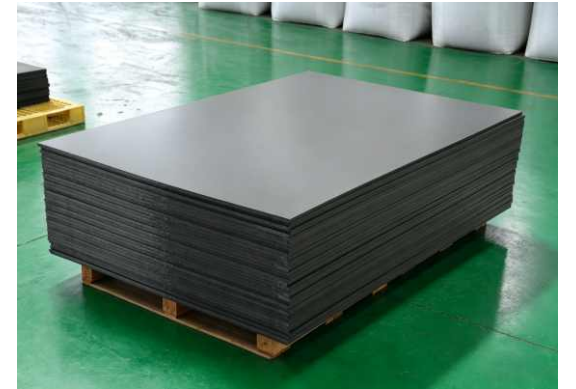


06 Borated Polyethylene

High Performance - More Durable - Wide Application

Borated Polyethylene

Borated Polyethylene Sheet (Boron UHMWPE Board) is a high-performance neutron shielding material made from UHMWPE / HDPE polymer matrix with uniformly dispersed boron carbide (B₄C) particles. It is widely used for neutron and gamma radiation shielding in nuclear facilities, medical institutions, industrial testing labs and scientific research centers.



01

Can be reused



02

Weather-resistant and impact-resistant



03

Protects the ground and prevents subsidence



04

Slip-resistant safety design

Medical Radiation Protection



Industrial NDT



Nuclear Industry Shielding



Laboratory & Research



05 UHMWPE Fender

High Performance - More Durable - Wide Application

QUALITY
MATERIALS
BETTER
FUTURE



UHMWPE Fender



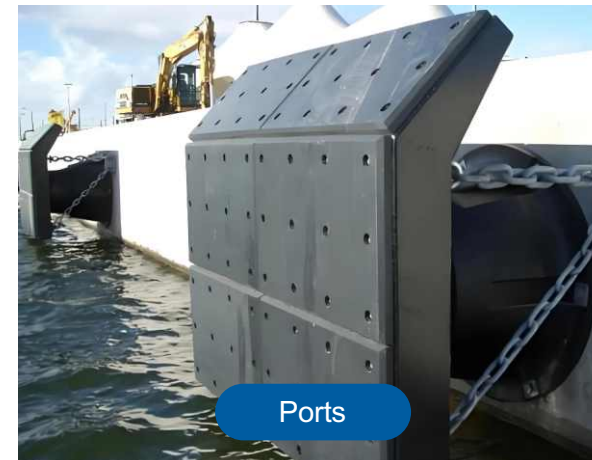
UHMWPE Fender is a ship protection device made of ultra-high molecular weight polyethylene, installed at dock fronts to buffer impact and friction during berthing, protecting both hull and dock. It is more durable and lower-maintenance than traditional steel or wooden fenders.

01 Ultra-high Impact Strength

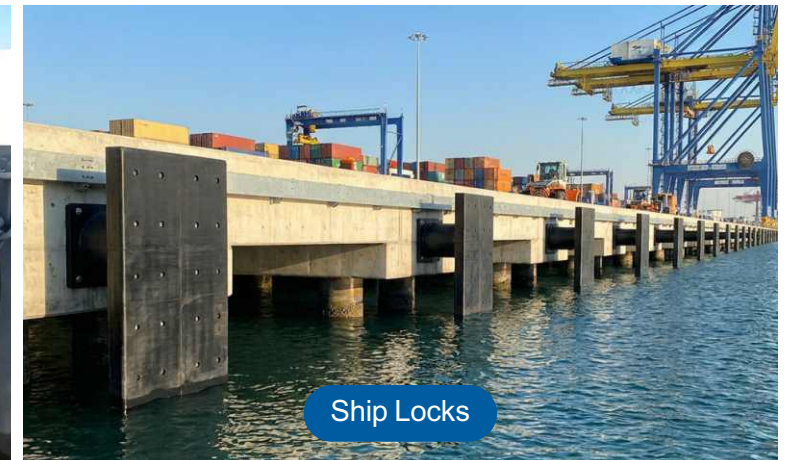
02 Extremely Low Friction Coefficient

03 Non-Absorbent & Stable Performance

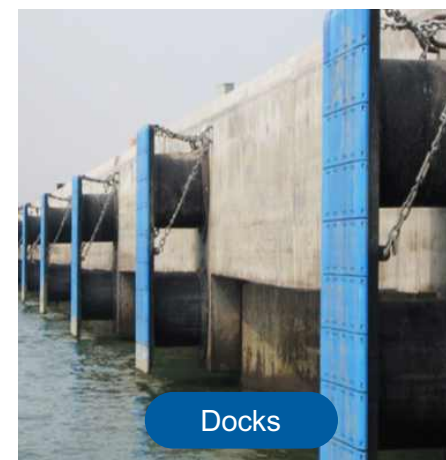
04 Excellent Wear Resistance



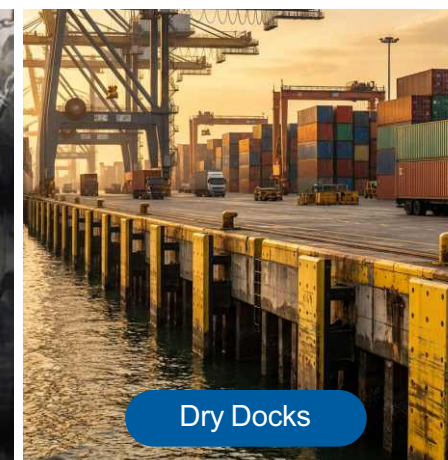
Ports



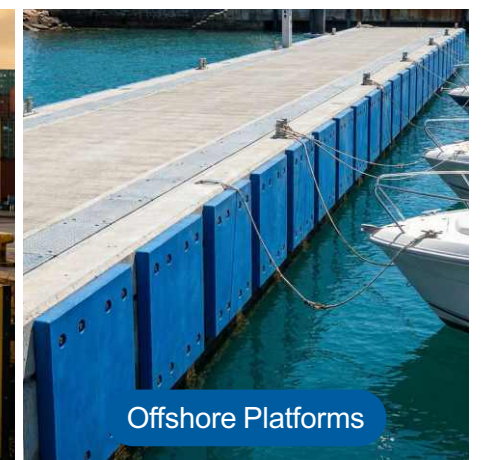
Ship Locks



Docks



Dry Docks



Offshore Platforms

QUALITY
MATERIALS
BETTER
FUTURE

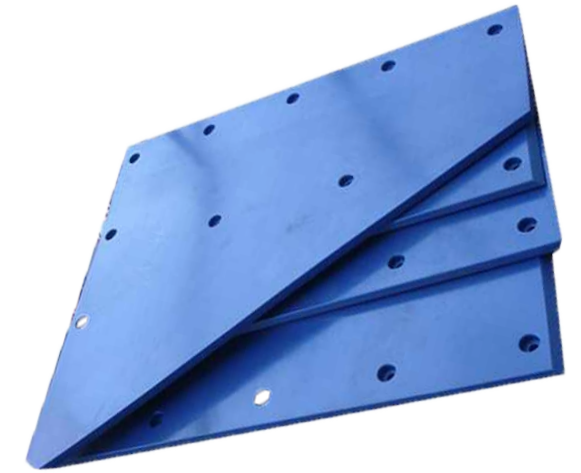


06 UHMWPE Liner

High Performance - More Durable - Wide Application

Outrigger Pad

UHMWPE Liner Sheet is a wear-resistant, low-friction lining made of ultra-high molecular weight polyethylene. Installed on hoppers, chutes, and silos, it ensures smooth material flow and prevents clogging and adhesion.



01

Extreme wear
resistance



02

Self-lubricating



03

Chemical corrosion
resistance



04

High impact
resistance

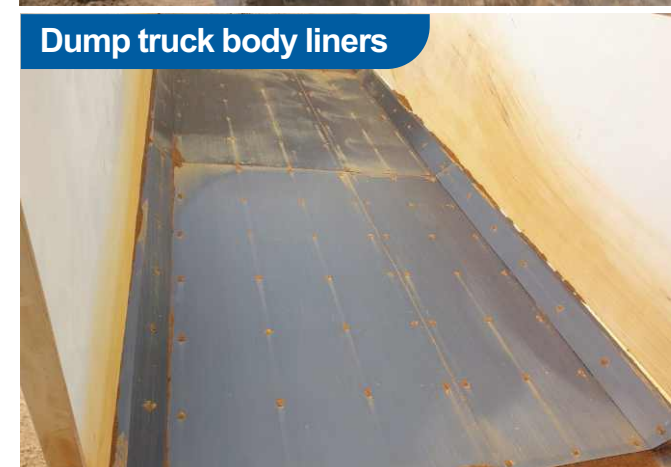
Mining



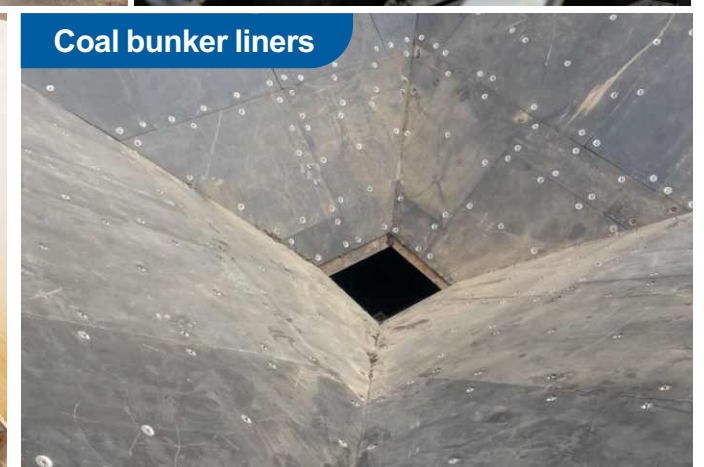
Bulk Material Handling



Dump truck body liners



Coal bunker liners



07 Synthetic Ice Curling

High Performance - More Durable - Wide Application

QUALITY
MATERIALS
BETTER
FUTURE



Synthetic Ice Curling



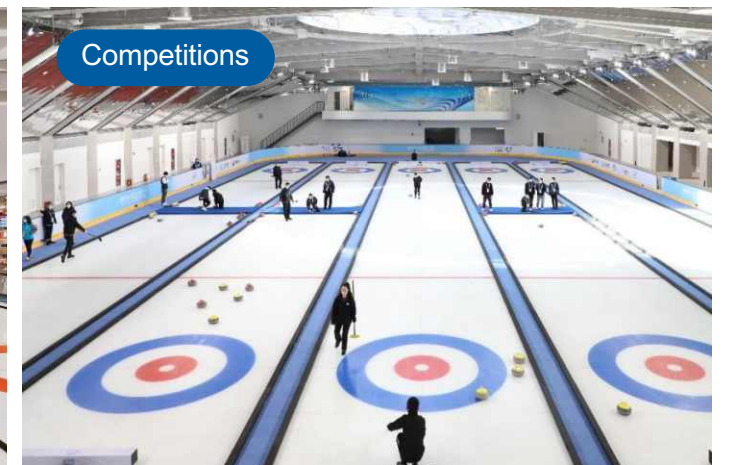
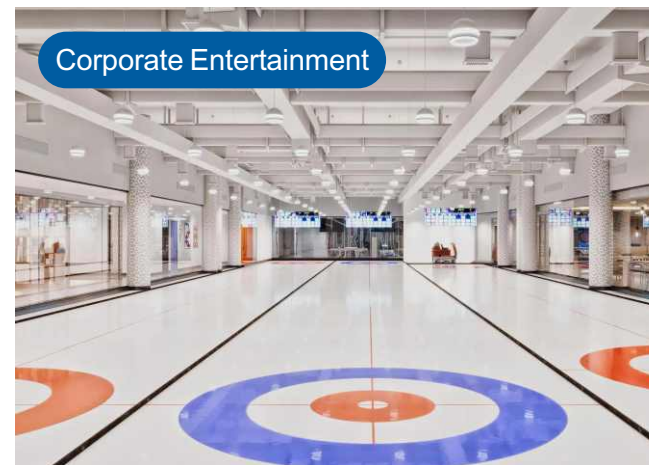
Synthetic Ice Curling are made of Ultra-High-Molecular-Weight Polyethylene (UHMWPE) panels that replicate natural ice glide. Modular, easy to install, and require no water, refrigeration, or freezing – usable year-round.

01 All-weather – indoor/outdoor, any season

02 low maintenance

03 Durable – 10–15 years service life

04 Eco-friendly



QUALITY
MATERIALS
BETTER
FUTURE



06 UHMWPE Part

High Performance - More Durable - Wide Application

UHMWPE Part

UHMWPE (ultra-high-molecular-weight polyethylene) machined parts are complex components manufactured through molding or machining processes. They fully retain the core advantages of UHMWPE material and are capable of withstanding harsh operating conditions that many metals and conventional plastics cannot handle.



01

Exceptional
Wear Resistance



02

Extremely High
Impact Resistance



03

Excellent
Self-Lubrication



04

Chemical
Resistance

Mining



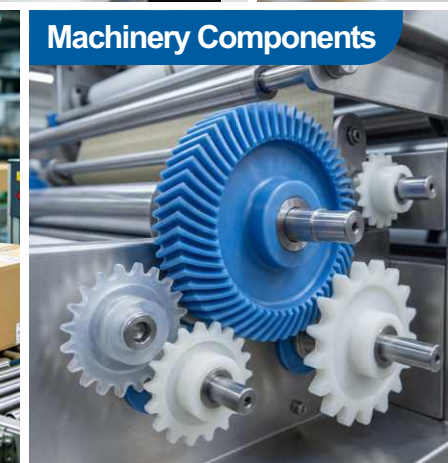
Food Industry



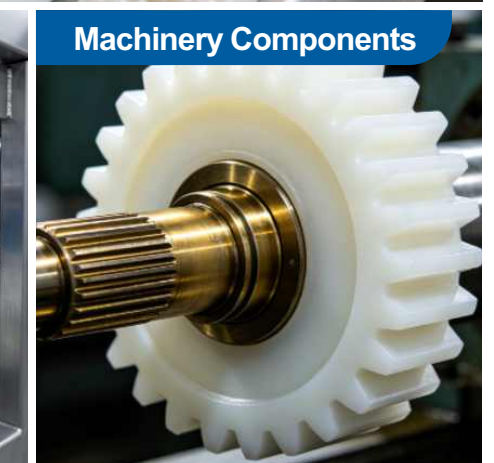
Packaging Machinery



Machinery Components



Machinery Components



07 HDPE Rebound Board

High Performance - More Durable - Wide Application

QUALITY
MATERIALS
BETTER
FUTURE



HDPE Rebound Board



HDPE Rebound Board are soccer training and field equipment made primarily from high-density polyethylene (HDPE). Thanks to the exceptional properties of the material itself, they are increasingly being used in both professional training and recreational sports.

01 Long service life

02 Outstanding performance

03 Flexible installation

04 Environmentally friendly and safe



Soccer Training and Instruction:

As an HDPE Rebound Board, it helps beginners practice stopping, passing, and controlling the ball, and is also used for skill training by professional players. In schools and youth training camps, it serves as a safe and durable training aid.

QUALITY
MATERIALS
BETTER
FUTURE



UHMWPE 06 Conveyor Rollers

High Performance - More Durable - Wide Application

UHMWPE Conveyor Rollers

UHMWPE conveyor rollers are made from ultra-high molecular weight polyethylene (molecular weight: 1.5–3 million+), assembled with metal bearings, shafts, and seals. This material gives the rollers unique properties. With a density of 0.93–0.95 g/cm³—much lower than steel's 7.8 g/cm³—the rollers are significantly lighter.



01

Extremely long
service life



02

Energy-saving and
consumption-reducing



03

Protects the
belt and reduces wear



04

Corrosion-resistant
and impact-resistant

Mining and Metallurgy



Power Plants and Energy



Ports and Terminals



Construction



07 HDPE Karting Barriers

High Performance - More Durable - Wide Application

QUALITY
MATERIALS
BETTER
FUTURE



HDPE Karting Barriers



This product is made of HDPE/PE polymer materials. Leveraging their excellent impact resistance and elastic deformation properties, it effectively absorbs and disperses kinetic energy during a collision, providing reliable safety protection for both the driver and the vehicle.

01 Enhanced security

02 Improved image and flexibility

03 Flexible installation

04 Greater environmental friendliness



Indoor and Outdoor Commercial Karting Tracks:

Whether it's a large, professional racetrack or a recreational karting track in a shopping mall or park, this is a standard safety feature. Its modular design allows it to flexibly adapt to various layouts of turns and straightaways.

07 PE Cutting Board

High Performance - More Durable - Wide Application

QUALITY
MATERIALS
BETTER
FUTURE



PE Cutting Board



PE Cutting Boards are plastic cutting boards made from polyethylene. Thanks to their antibacterial, easy-to-clean, and durable properties, they have become the mainstream choice in modern kitchens (especially commercial kitchens).

01

Hygienic and antibacterial, eliminates odors

02

Gentle on knives, lightweight and durable

03

Easy to clean, dishwasher-safe

04

Color-coded for cross-contamination prevention

