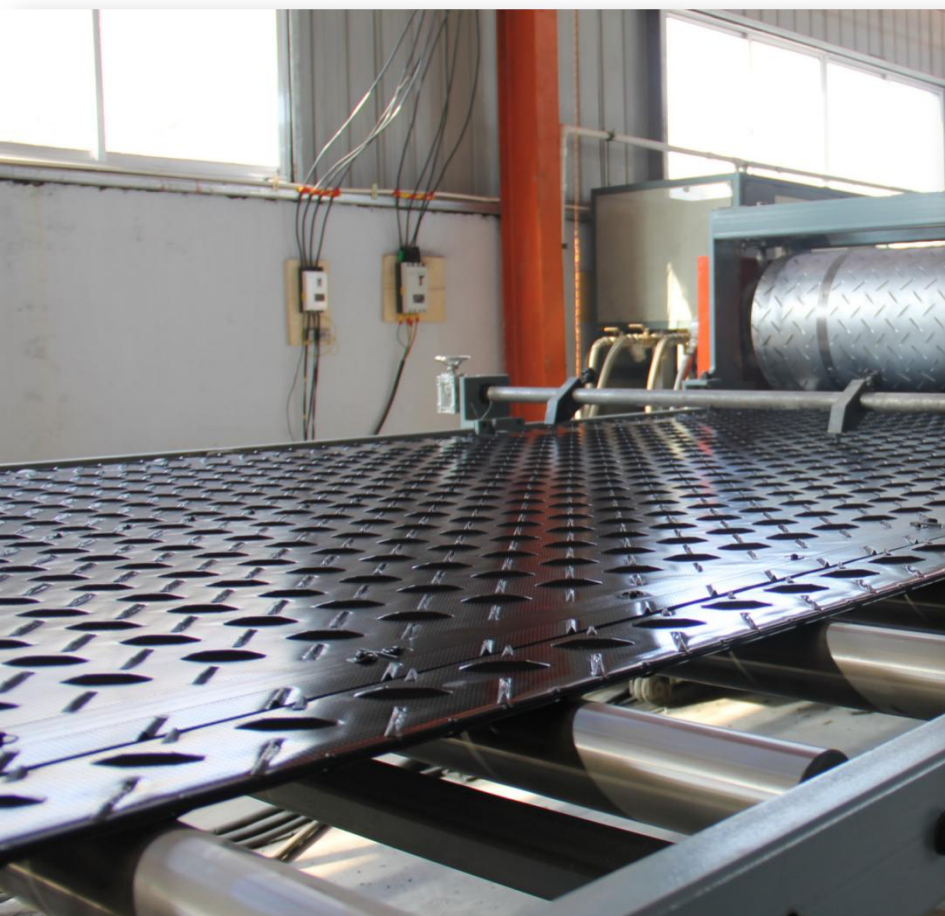


# Qingdao BKM Industry Co., Ltd.

Advanced Plastic Solutions Since 2000

- Innovating Industrial Solutions, Connecting Global Markets -



**BKM**

- PLASTIC INDUSTRY -



# C

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# About BKM

**Qingdao BKM Industry Co., Ltd.** is a trusted manufacturer and global supplier of high-performance engineering plastics, specializing in HDPE, UHMWPE, and customized polymer solutions. With advanced CNC machining capabilities, strict quality systems, and export experience to over 60 countries, we deliver durable, precise, and reliable products for industries including sports, construction, logistics, marine, and mining.



From standard sheets and components to fully customized parts, we offer fast production, stable quality, and expert support—helping our clients optimize performance and reduce cost.

## Our Core Strengths:

**Product Excellence:** We supply premium engineering plastics renowned for technological sophistication, high added value, and versatility. Our portfolio includes standardized and fully customizable products tailored to unique industrial demands.

**Quality Assurance:** Rigorous quality control processes and adherence to international standards ensure superior performance, backed by certifications from authoritative industry bodies.

**Global Logistics Leverage:** Strategically positioned in Huangdao's world-class port ecosystem, we enable efficient, cost-effective global distribution and supply chain management.

**Technical Expertise:** Our team provides end-to-end support — from material selection and technical consultation to after-sales service — driven by the principle: "User needs define our mission."



# Certifications & Compliance

Our products meet international standards for safety, quality, and environmental responsibility. Certified by leading authorities, we ensure full compliance for global trade and high-performance applications.

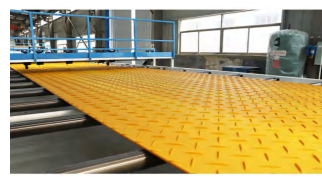
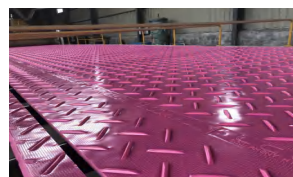
- RoHS Compliant (EU environmental safety)
- FDA Certification (food-grade material safety)
- Mining Safety Certification (for underground applications)
- ISO 9001 / 14001 / 45001 (Quality, Environment, Health & Safety Management Systems)

Trusted by industries worldwide, our certifications reflect our commitment to excellence and reliability.



## Ground Protection Mat

Industrial crews lay out Ground Protection Mats to create a stable temporary road over soft sand. Made from high density polyethylene, these mats distribute weight evenly, preventing vehicles from sinking and protecting the ground underneath. They remain firm and flexible in extreme conditions, ensuring work can continue smoothly on muddy, sandy, or uneven terrain. Designed for easy reuse over a 10+ year lifespan, Ground Protection Mats are the reliable way to keep your project moving forward on solid footing.



### Key Features & Advantages

- Easy to Handle: Lightweight and flexible—simple to move, lay, and remove on any terrain.
- Built to Last: Tough HDPE/UHMWPE resists impact, UV, and weather for 10+ years of use.
- Strong Grip: Textured, non-slip surface keeps equipment and workers safe from skids.
- All-Weather Use: 100% waterproof and chemical-resistant—no rot, crack, or peel.
- Eco & Cost Friendly: Reusable, recyclable, and saves money on ground repair and downtime.
- Customizable: Offered in different sizes, colors, and connection types to match your specific site requirements.

No	Size(mm)	Thickness with texture (mm)	Weight (kg)	Loading capacity (ton)
1	2400 x 1200 x 12.7	17.7	39.456	80
2	2440 x 1220 x 12.7	22.7	43.75896	80
3	2000 x 1000 x 10	20	24	50
4	2900 x 1100 x 12.7	22.7	46.893	80
5	3000 x 1500 x 15	25	76.5	120
6	5900 x 2000 x 28	38	354	180
7	5800 x 2000 x 25	35	313.2	150
8	3000 x 2500 x 38	48	300	300
9	4500 x 2000 x 38	48	360	300
10	3000 x 2500 x 25	35	202.5	150
11	2000 x 2000 x 30	40	192	350
12	2000 x 1000 x 30	40	64	350
13	2000 x 2000 x 50	60	208	500
14	5000 x 2000 x 60	70	620	900



## GROUND PROTECTION MAT



### Application Scenarios

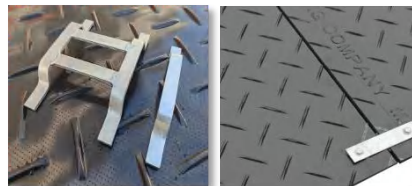
- Construction & Access Roads: Create instant, stable roadways for trucks and cranes on soft ground.
- Events & Festivals: Protect lawns and fields, keeping areas clean, dry, and safe for crowds.
- Landscaping & Utilities: Prevent turf and pavement damage during maintenance or repairs.
- Oil & Gas Sites: Stabilize sandy or marshy soil for rigs and heavy equipment in remote areas.
- Muddy or Soft Terrain: Provide firm footing in wetlands, beaches, and after heavy rain.



### Pattern

Choose from different surface textures for better grip and safer performance on any terrain.

### Connectors



Engineered connectors create a secure interlocking system, preventing mat shifting under heavy loads.



## Crane Outrigger Pads

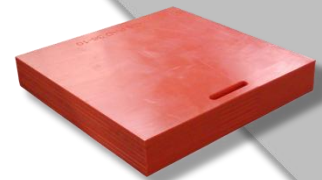
Crane Outrigger Pads—also referred to as stabilizer pads or crane foot pads—are load-distributing platforms placed under crane outriggers to improve stability and safety during lifting operations. Made from high-quality HDPE or UHMWPE, these pads are engineered to withstand intense pressure while preventing sinking, shifting, or ground damage on soft or sensitive terrain.

### Standard Sizes & Load Capacities

Square Outrigger Pad		Round Outrigger Pad	
Common size	Loading capacity for crane feed	Common size	Loading capacity for crane feed
300*300*40mm	3-5 tons	300*40mm	2-6 tons
400*400*40mm	4-6 tons	400*40mm	3-7 tons
400*400*50mm	6-10 tons	500*40mm	4-8 tons
500*500*40mm	10-12 tons	500*50mm	8-12 tons
500*500*50mm	12-15 tons	600*40mm	10-14 tons
500*500*60mm	13-17 tons	600*50mm	12-15 tons
600*600*40mm	15-18 tons	600*60mm	15-20 tons
600*600*50mm	16-20 tons	700*50mm	22-30 tons
600*600*60mm	18-25 tons	700*60mm	25-32 tons
700*700*60mm	25-35 tons	700*70mm	30-35 tons
800*800*70mm	30-45 tons	800*70mm	40-50 tons
1000*1000*80mm	50-70 tons	1000*80mm	45-60 tons
1200*1200*100mm	60-100 tons	1200*100mm	50-90 tons
1500*1500*100mm	120-180 tons	1500*100mm	80-150 tons

Customized size, shape, and color on demand

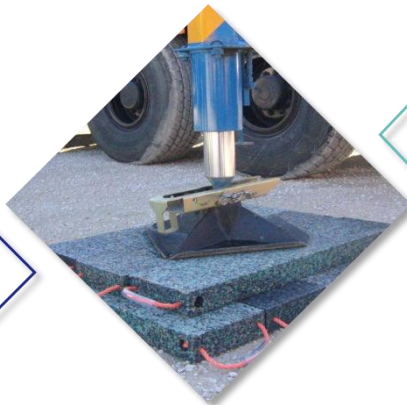




## Key Features



- Non-Conductive: Safe for use around electrical equipment.
- Waterproof & Chemical Resistant: Withstands harsh environments and chemical exposure.
- Safety-Textured Surface: Helps prevent slippage during use.
- No Sharp Edges: Smooth finish improves handling and safety.
- Lightweight: Easy to carry and reposition manually.
- Anti-Slip: Provides secure footing for stabilizers.
- Made from High-Density Polyethylene (HDPE): Durable and long-lasting.
- Water Resistance: Maintains structural integrity in wet conditions.





## Soccer Rebound Board

The Soccer Rebound Board is a professional-grade training tool engineered to elevate passing accuracy, ball control, and shooting technique. Constructed from impact-resistant HDPE composite, it delivers consistent rebound behavior and withstands high-intensity use. Its angled, foldable legs and built-in carry handle make it ultra-portable, while the dual-angle rebound surface supports varied drills to simulate real match conditions.

### Key Features & Advantages

#### Durable HDPE Composite:

Impact-resistant and weatherproof for long-lasting indoor and outdoor use.

#### Stable & Non-Deforming:

Heavy-duty build stays firm during powerful shots for consistent training.

#### Dual Rebound Angles (60° / 90°):

Train both ground passes and volleys to improve control and timing.

#### Smooth Frosted Surface:

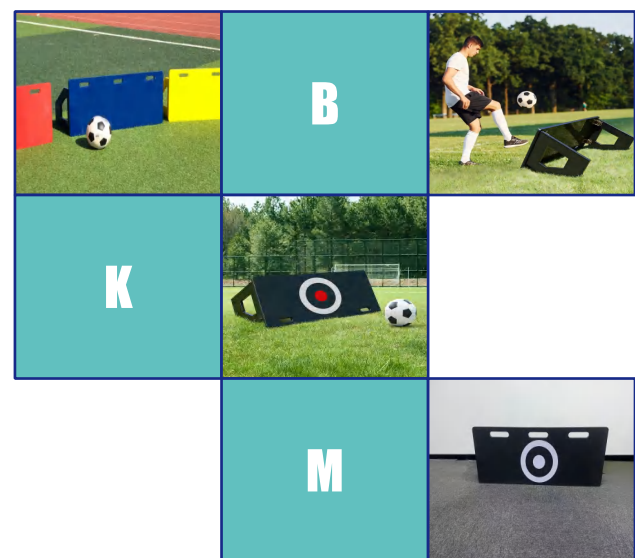
Provides natural rebound and better ball grip.

#### Portable Design:

Foldable legs and carry handles make it easy to transport and store.

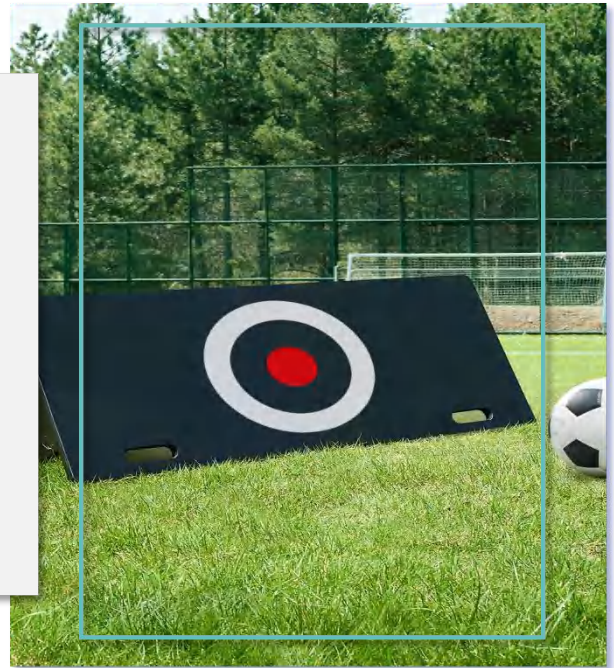
#### Optional Target Zones:

Boost passing and shooting accuracy with marked rebound areas.



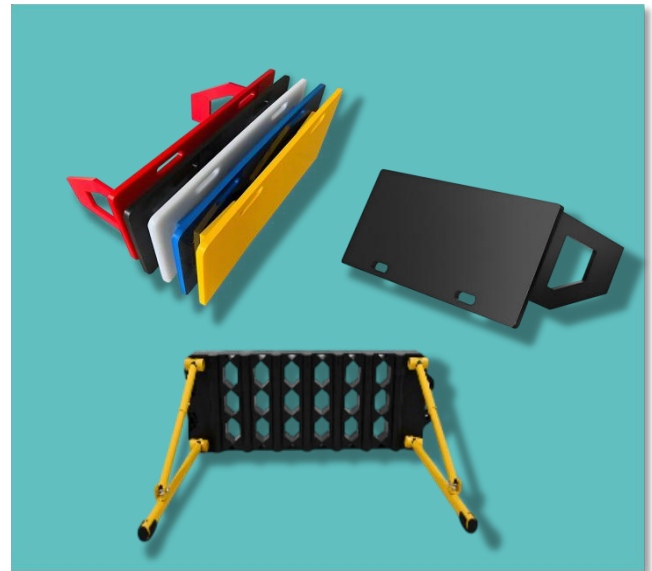
## Application Scenarios

Youth Training Centers & Football Academies  
 School Grounds & Community Parks  
 Home & Backyard Practice  
 Professional & Semi-Pro Clubs  
 Sports Equipment Retail Displays



## Custom Sizes & Colors

- Standard sizes include: 1000×400 mm, 1000×500 mm, 1200×500 mm, 1500×600 mm, 2000×500 mm
- Thickness: 20 mm / 25 mm / 30 mm
- Colors: Black, White, Blue, Yellow (or custom options)



Pass, Shoot, Repeat - Train Smarter with Every Touch



All-Season Skating. No Water. No Electricity.  
Just Performance.

## Synthetic Ice System



Synthetic Ice Rinks provide a smooth, realistic skating experience without the constraints of traditional ice. Made from premium self-lubricating polyethylene panels, they replicate the glide of real ice and perform reliably across all seasons—indoors or outdoors, in any climate.

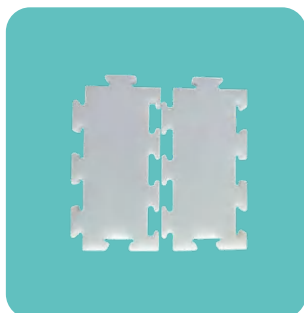
Engineered for consistent quality and simple setup, these rinks require no water, no freezing systems, and almost no maintenance. Whether the goal is long-term operation or rapid deployment, the system delivers smooth skating, low cost of use, and dependable performance from day one.



### Connection Type



Type A



Type B

### Specifications

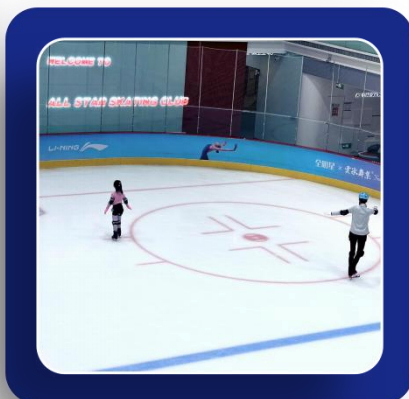
#### Standard Sizes

- 1000 x 1000 mm
- 990 x 2020 mm
- 1000 x 2000 mm

#### Recommended Thickness

- 15 mm
- 20 mm
- 25 mm

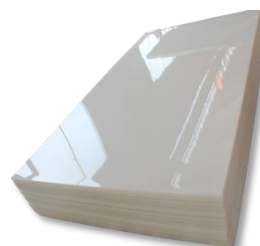
Custom sizes available upon request.



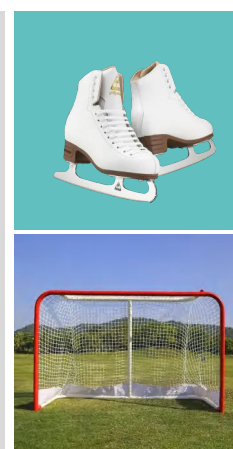
Synthetic Ice System

## Key Features & Advantages

- Skate Anytime: Works in any climate, indoors or outdoors, all year round.
- Easy Maintenance: Just sweep and wipe; no resurfacing required.
- Long-Lasting: Withstands heavy use and outdoor conditions for 10+ years.
- Flexible Setup: Modular panels for easy installation, expansion, or relocation.
- No Ice or Water Needed: No refrigeration or plumbing—low setup and running costs.
- Fully Compatible: Use regular skates, pucks, and sticks with realistic performance.
- Smooth Glide: Self-lubricating surface offers fast, natural skating—no sprays needed.
- Eco-Friendly: 100% recyclable, no power or water use.
- Quiet & Clean: No noise, no melting, no mess.



## Related Products





DURABLE SAFETY BOUNDARIES  
FOR ALL ICE ARENA ENVIRONMENTS

## Ice Rink Dasher Board

Made from high-density polyethylene (HDPE), these impact-resistant boards provide safe, long-lasting rink boundaries for hockey, figure skating, and public use. Ideal for both indoor and outdoor arenas.

### Key Features & Advantages

- Impact-Resistant HDPE: Strong, flexible, and built to withstand hits, skates, and checks.
- Seamless Design: Smooth connections ensure safe skating and consistent puck movement.
- Indoor & Outdoor Use: UV-stable, waterproof, and weather-resistant for all climates.
- Easy Installation: Modular panels enable quick setup, cleaning, and replacement.
- Flexible Configurations: Supports curved corners, gates, and advertising panels.
- Safety First: Rounded edges and shock absorption protect skaters of all ages.
- Cost-Effective: Durable structure minimizes maintenance and ensures long service life.

### Specifications

Model	Length (mm)	Height (mm)	Thickness (mm)
1	610	1220	10-55
2	1220	1220	
3	1220	2440	
4	1000	1000	
5	1500	1500	
6	1000	3000	

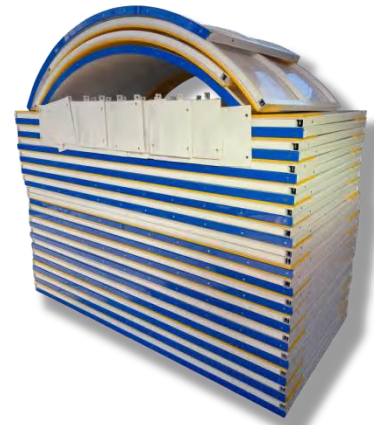
Can be customized according to your venue requirements.



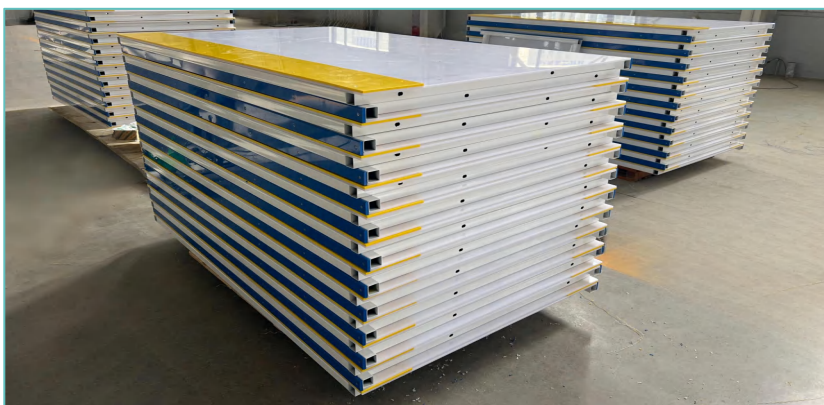


## Connection Structure Details

We clearly showcase how each dasher board is securely connected using our standardized hardware system, so customers can easily understand the assembly method.



Customizable back yard ice rink hockey rink dasher board made from eco-friendly materials with options like galvanized steel tube or aluminum frames. Features HDPE anti-UV sheets, multiple color choices, and impact resistance of 140KJ/m2. Certified RoHS compliant, ensuring safety and market access for regulated environments.



Packaging Display



# Hockey Shooting Pad

High-density polyethylene pad that mimics real ice glide—perfect for shooting, passing, and stickhandling without damaging equipment. Use indoors or outdoors, year-round.

## Sizes & Options

- Small: 24" × 48" (610 × 1220 mm)
- Medium: 30" × 60" (762 × 1524 mm)
- Large: 30" × 96" (762 × 2438 mm)
- Thickness: 3 mm / 5–7 mm / 10 mm+
- Surface: Smooth White HDPE
- Options: Foldable, Handles, Puck Stoppers, Custom Logos



## Application

- Hockey Skills Training (Shooting, Passing, Control)
- Home Use (Garage, Basement, Driveway)
- Coaching Camps & Clinics
- Pro Team Facilities & Warmups
- Sports Retail Demos





## Ice Curling Rink

Synthetic curling rink made from high-performance polyethylene panels that mimic real ice without freezing or water. Quick to install indoors or outdoors, perfect for recreation, training, and events all year round.

### Key Features & Advantages

**No Refrigeration Needed:** Works in normal temperatures, cutting energy and cost.

**Portable & Versatile:** Installs easily on any flat surface, ideal for both fixed and mobile setups.

**Realistic Glide:** Smooth, consistent stone movement comparable to real ice.

**All-Season Use:** Performs in all weather and humidity conditions, indoors or outdoors.

**Durable Surface:** High wear resistance, corrosion-proof, and long-lasting.

**Low Maintenance:** Simple cleaning keeps the surface ready to play.

**No Site Limits:** Use anywhere—malls, gyms, parks, schools, or events.

**Eco-Friendly:** Recyclable materials, no emissions or water use.

### Sizes & Specifications

**Modular Panel System:** Customizable length and width for standard or recreational layouts.

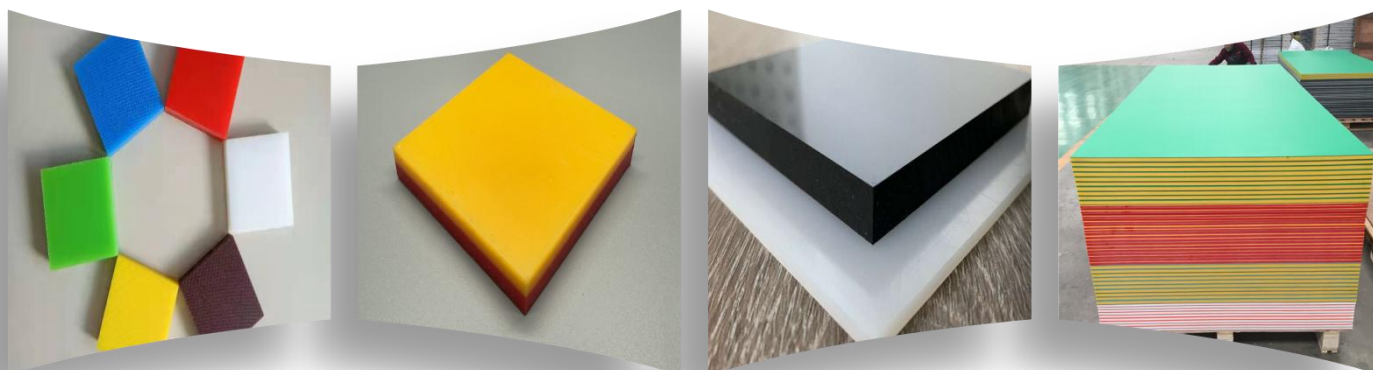
**Flexible Layout Options:** Available in full-size, half-size, or compact event formats.

**Surface Material:** HDPE or UHMWPE for smooth glide, durability, and corrosion resistance.



Flexible Curling Experience Without Ice or Cold





## HDPE & UHMWPE Sheet

HDPE (High-Density Polyethylene) and UHMWPE (Ultra High Molecular Weight Polyethylene) sheets provide durable, low-friction, and chemically resistant surfaces ideal for industrial, structural, and commercial use. Available in custom sizes, colors, and textures—easily machined, welded, or cut for specific applications.

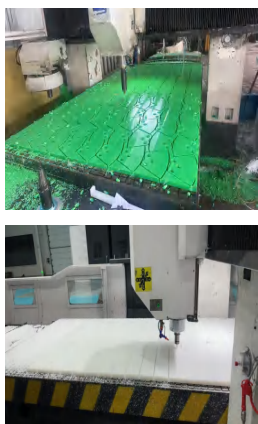
### Specifications

Property	Values	Test Method
Tensile strength at yield	25 MPa	527/D638
Elongation at Break	3	527
Modulus of elasticity in tension	1000 MPa	527/D638
Modulus of elasticity in flexure	1000-1400 MPa	178/D790
Impact strength	15 KJ/m <sup>2</sup>	179/D256
Creep rupture strength after 1000hrs with static load	12.5 MPa	
Time yield limit for 1% elongation after 1000hrs	3 MPa	
Ball indentation hardness	43 MPa	50771
Shore hardness D	64	868
Glass transition temperature	-95°C	53736
Crystalline melting point	130°C	53736
Service temperature (short term)	100°C	
Service temperature (long term)	80°C	
Water absorption @ saturation @ 23°C	<0.05%	
Volume Resistivity UV Stabilized	D257 Ohm-cm fine	



## Technical Specifications

- HDPE: Unlimited Length  $\times$   $\leq$ 3.2 m Width  $\times$  1–45 mm Thickness
- UHMWPE:  $\leq$ 6.0 m Length  $\times$   $\leq$ 2.1 m Width  $\times$  10–240 mm Thickness
- Colors: Black, White, Green ...
- Processing: HDPE – Extrusion; UHMWPE – Compression Molding
- Services: CNC Machining, Cut-to-Size, Logo Printing
- Customizable in color, shape, size, molecular weight, surface pattern, and other special requirements



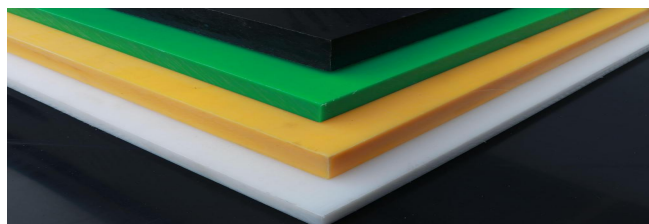
## Application

- Industrial Liners, Slides, and Chutes
- Food Processing Boards & Surfaces
- Mechanical Components (Bushings, Guides, Pads)
- Transport & Agricultural Wear Panels
- Marine & Outdoor Protection Structures



## Key Features

- High Chemical Resistance for Corrosive Environments
- Exceptional Wear & Impact Resistance (Especially UHMWPE)
- Waterproof with Low Moisture Absorption
- Easy to Cut, Drill, Weld, and Form
- FDA-Compliant Options for Food & Medical Use
- UV & Weather Resistant (HDPE)
- Eco-Friendly and Fully Recyclable
- Multiple Surface Options: Smooth / Matte / Embossed / Grid





## Plastic Cutting Board

Our Plastic Cutting Boards are made from high-density polyethylene (HDPE)—a food-grade, non-toxic material widely trusted for hygienic kitchen use. With a non-porous surface that resists moisture and odors, these boards are ideal for preparing meats, vegetables, seafood, and more—whether in home kitchens or commercial foodservice environments

### Application Scenarios

Home kitchens and food preparation stations  
Commercial kitchens, restaurants, canteens  
Butcher shops, seafood markets, and meat processing lines  
Food trucks, mobile kitchens, and outdoor catering units

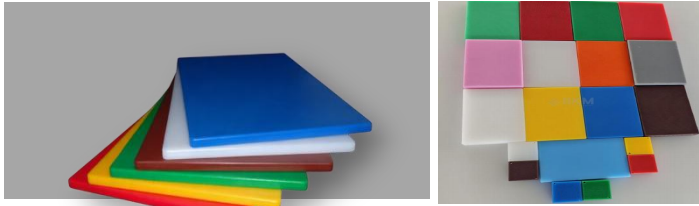


### Specifications

Product Name	Chopping/Cutting board
Material	UHMWPE Plastic
Size	1000X800X10-50mm 600X400X10-50mm 500X350X10-50mm 350X250X10-50mm 300X200X10-50mm
Certification	NSF, FDA, SGS
Color	White, Black, Green, Blue, Red, Yellow, Custom
Shape	Square, Rectangular, Round

Customized size, shape, and color on demand





## Plastic Cutting Board

### Key Features

- **Food-Safe & Chemical Resistant:** Compliant with FDA standards and resistant to acids, oils, and cleaning agents—ideal for kitchen use.
- **Durable & Impact-Resistant:** Built to withstand heavy chopping without cracking, splintering, or warping.
- **Non-Porous & Hygienic:** Prevents moisture absorption, odor buildup, and bacterial growth—ensures food safety.
  - **Knife-Friendly Surface:** Protects blade edges and extends the lifespan of kitchen knives.
  - **Heat & Dishwasher Safe:** Handles boiling water and high-temperature cleaning without deforming.
- **Lightweight & Easy to Handle:** Simple to move, store, and sanitize—perfect for both home and commercial kitchens.
- **Eco-Friendly & Recyclable:** Long-lasting material with low environmental impact supports sustainable kitchen operations.

### PLASTIC CUTTING BOARD





## Marine Fender Face Pads

Marine Fender Face Pads are high-performance protective panels made from ultra-high molecular weight polyethylene (UHMW-PE). Unlike conventional rubber, this advanced polymer offers exceptional abrasion resistance, low friction, and superior impact absorption. Designed to shield both marine fenders and vessel hulls, these pads extend the lifespan of berthing systems and minimize maintenance in harsh port environments.

### Specifications

Spec	Details
Sizes	≤2000×4000 mm, thickness 20–150 mm+
Finish	Smooth / Textured
Colors	B/W/Y/R/Gray/Blue/Green + Custom
Mounting Options	Holes, studs, edge bevels (as requested)

### Application Scenarios

Port and harbor quay walls, piers, and fender panels  
Ro-Ro ramps, ferry terminals, and container terminals  
Offshore platforms and floating docks  
Lock walls, bridge piers, tugboat bumpers, and shipyard berthing stations

### Key Features

- **Ultra-Low Friction:** Self-lubricating UHMW-PE ensures smooth vessel contact without hull damage.
- **High Wear Resistance:** Handles repeated impact and abrasion far better than steel or rubber.
- **UV & Chemical Resistant:** Withstands sun, saltwater, oil, and temperature extremes.
- **Low Water Absorption:** <0.01%—no swelling, warping, or degradation in marine settings.
- **Lightweight & Durable:** Rust-free, maintenance-free, and easy to install or replace.
- **Eco-Friendly:** Non-toxic, 100% recyclable for sustainable marine infrastructure.



## PE Custom Parts

We provide custom HDPE and UHMW-PE parts machined to your exact specifications. Whether for industrial guides, sliding components, or protective inserts, these parts offer long-lasting durability, excellent fit, and versatile performance across industries.



### Key Features

- Fully Customizable to CAD Drawings
- High Impact Resistance & Structural Toughness
- Low Friction & Wear-Resistant for Sliding Use
- Excellent Chemical & Corrosion Resistance
- UV-Stable & Weatherproof
- Lightweight Yet Durable
- Eco-Friendly & 100% Recyclable

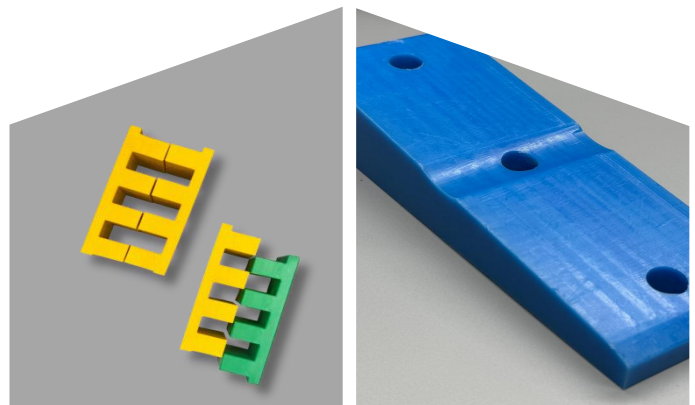


### Manufacturing Capabilities

- Materials: HDPE, UHMW-PE, Modified PE
- Processes: CNC Milling, Turning, Routing, Drilling
- Surface: Smooth / Textured / Grooved
- Colors: Black, White, Green, Red, Blue (Customizable)
- Volumes: Prototype to High-Volume Production

### Common Applications

- Guide Rails, Chain Tracks, Wear Strips
- Liners, Spacers, and Machinery Bumpers
- Sealing & Insulation Blocks
- Dock & Marine Sliding Pads
- Conveyor Impact Plates
- OEM Parts for Food, Mining, Logistics, Agriculture







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