اریان فینتشرز
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# COMPANY PROFILE

- Outrigger Pads
- Ground Protection Mats
- Ground Protection and Trackway Solution
- Bridge Bearing Pads
- Technical Engineering Plastic Products
- Engineering Plastics Product
- Engineering Plastics & High-Performance Polymer Products
- PE Shims
- PE Cutting Boards
- PTFE Products
- Rubber Mats / Rubber Tiles
- Industrial Mats
- Industrial PVC Interlocking Tiles
- Premium Rubber Mats and Tiles – Sports and Gym Flooring
- Sports Flooring Products
- Gym Flooring Products
- Rubber Wall Guard Protection System
- Building Protection System
- Parking Solution Products
- PE Dock Bumper
- UHMWPE Fender
- Cargo Grip Container
- Wheel Chocks
- Gaskets & Seal Materials
- Rubber Support Insert for Chilled Water & HVAC Pipes
- Mechanical & Industrial Solution
- Rubber & Polyurethane Product
- Rubber Conveyor Belts
- Industrial Rubber Lining Solutions

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# BRING THE NEW IDEA TO FUTURE OF WORLD **BUSINESS**

"Passion is the key essential force that drives our success. it determines everything that we think.

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# ABOUT US

## INTRODUCTION

Welcome to Ariane Ventures where excellence meets reliability. We are a dynamic and innovative company specializing in providing comprehensive trading and contracting services to meet a diverse range of needs across various industries. With a steadfast commitment to quality, efficiency, and client satisfaction, we have established ourselves as a trusted partner in the marketplace.

## OUR MISSION

At Ariane Ventures, our mission is to deliver superior solutions that exceed expectations and contribute to the success of our clients.We strive to build long-lasting relationships based on integrity, professionalism, and mutual respect.

## OUR VISION

Our vision is to be the premier provider of trading solutions, setting the standard for excellence and innovation in the industry. We aspire to:

**Be a Trusted Partner:** We aim to be the go-to partner for businesses seeking reliable trading solutions. Our commitment to integrity, transparency, and customer satisfaction will solidify our reputation as a trusted and dependable ally in the marketplace.

**Drive Growth and Success:** We envision ourselves as catalysts for the growth and success of our clients. By delivering exceptional value, quality products, and innovative solutions, we will empower our clients to thrive in their respective industries and achieve their business objectives.

**Embrace Innovation:** Innovation is at the core of our vision. We strive to be at the forefront of technological advancements, market trends, and best practices in trading. By embracing innovation and leveraging new opportunities, we will continuously enhance our offerings and remain ahead of the curve.

# SAFERIG - SafeRig OUTRIGGER PADS

# UHMWPE OUTRIGGER PADS

## High-Performance Ground Stability for Heavy Equipment

## Product Description

SAFERIG UHMWPE Outrigger Pads are high-performance ground support solutions designed to stabilize heavy-duty equipment during lifting, setup, or stationary operations. Crafted from 100% virgin Ultra-High Molecular Weight Polyethylene (UHMWPE), these pads provide unmatched load-bearing strength, resilience in extreme environments, and lightweight mobility. They distribute the weight of equipment across a broader surface area, preventing sinking and maintaining safety on soft, uneven, or sensitive terrain.

Ideal for use under crane outriggers, stabilizer legs, jacks, and track-based machinery, these pads combine durability, chemical resistance, and non-corrosive properties with ease of handling and visibility on active work sites.

## Primary Uses

- To stabilize heavy equipment such as cranes, boom trucks, fire engines, and construction vehicles
- To protect soft or sensitive ground surfaces (asphalt, grass, soil, sand, or gravel)
- To distribute equipment loads and prevent tipping or ground penetration
- To enhance safety by providing a stable, flat base under machinery supports

## Applications

- Construction & Infrastructure Projects: Cranes, mobile concrete pumps, drilling rigs
- Utility & Energy Sectors: Power generator bases, oilfield rigs, transformer stations
- Fire & Rescue Operations: Fire trucks, hydraulic rescue equipment
- Military & Defense: Tactical vehicle deployment and machinery stabilization
- Events & Temporary Installations: Mobile stages, outdoor equipment setups

## Key Features

- High Load-Bearing Capacity
- Anti-Slip Textured Surface
- UV, Chemical, and Water Resistance
- Temperature Resistance from -80°C to +80°C
- Non-Conductive and Spark-Free
- Beveled and Rounded Edges for safety and handling
- Lightweight and Easy to Transport
- No Corrosion, No Rot, No Rust
- Certified for Quality and Safety Standards
- 2-Year Warranty
- Customization Available (Size, shape, color, logos, handles)

**Technical Aspects**

| Property | Details |
|---|---|
| Material | 100% Virgin UHMWPE |
| Load Rating | Up to 300+ tons (depending on thickness and surface area) |
| Surface Texture | Smooth finish with anti-slip pattern |
| Edges | Beveled and rounded for safety and placement ease |
| Handles | Reinforced nylon or optional steel hook handles |
| Operating Temp. | -80°C to +80°C |
| Friction Coefficient | Low friction, self-lubricating |
| Color Options | Yellow, Black, Red, Orange, Blue, Custom |
| Thickness Options | Typically 25mm to 100mm+ |
| Density | ~0.94 g/cm³ |
| Customization | Logos, embossing, drilling patterns, colors, sizes |

## Advantages Over Traditional Materials

- Vs. Wood: No rot, splintering, water absorption, or insect damage
- Vs. Steel/Aluminum: Corrosion-free, lighter, non-sparking, no sharp edges
- Vs. Rubber: Superior load capacity and dimensional stability under stress

## Customization Capabilities

- Shapes: Round, square, rectangular, octagonal
- Dimensions: Customized per application and equipment load rating
- Color Coding: For site safety, visibility, or equipment type
- Branding: Custom logo printing or engraving
- Handling Systems: Multiple handle types for safe transport

## Why Choose UHMWPE Outrigger Pads?

SAFERIG Outrigger pads are certified for safety and performance, built to withstand harsh operating conditions, and designed to meet the toughest demands of the industrial and construction sectors. Their adaptability and reliability make them a smart investment in worksite safety and equipment longevity.

**Technical Aspects**

| SN | Size | Load Capacity | Weight | Load Square Area | Product Code |
|---|---|---|---|---|---|
| 01 | 300 X 300 X 30mm | 5 tonnes | 2.7 kg | 0.09 $m^2$ | SR-333 |
| 02 | 400 X 400 X 40mm | 10 tonnes | 6.4 kg | 0.16 $m^2$ | SR-444 |
| 03 | 400 X 400 X 50mm | 12 tonnes | 8 kg | 0.16 $m^2$ | SR-445 |
| 04 | 500 X 500 X 40mm | 15 tonnes | 10 kg | 0.25 $m^2$ | SR-554 |
| 05 | 500 X 500 X 50mm | 20 tonnes | 12.5 kg | 0.25 $m^2$ | SR-555 |
| 06 | 600 X 600 X 40mm | 20 tonnes | 14.4 kg | 0.36 $m^2$ | SR-664 |
| 07 | 600 X 600 X 50mm | 25 tonnes | 18 kg | 0.36 $m^2$ | SR-665 |
| 08 | 600 X 600 X 60mm | 30 tonnes | 21.6 kg | 0.36 $m^2$ | SR-666 |
| 09 | 700 X 700 X 50mm | 35 tonnes | 24.5 kg | 0.49 $m^2$ | SR-775 |
| 10 | 700 X 700 X 60mm | 50 tonnes | 29.4 kg | 0.49 $m^2$ | SR-776 |
| 11 | 800 X 800 X 50mm | 50 tonnes | 32 kg | 0.64 $m^2$ | SR-885 |
| 12 | 800 X 800 X 60mm | <55 tonnes | 38.4 kg | 0.64 $m^2$ | SR-886 |
| 13 | 800 X 800 X 70mm | 75 tonnes | 44.8 kg | 0.64 $m^2$ | SR-887 |
| 14 | 800 X 800 X 80mm | 80 tonnes | 51.2 kg | 0.64 $m^2$ | SR-888 |
| 15 | 1000 X 1000 X 50mm | 75 tonnes | 48 kg | 1.00 $m^2$ | SR-10105 |
| 16 | 1000 X 1000 X 60mm | 80 tonnes | 60 kg | 1.00 $m^2$ | SR-10106 |
| 17 | 1000 X 1000 X 70mm | 100 tonnes | 70 kg | 1.00 $m^2$ | SR-10107 |
| 18 | 1000 X 1000 X 80mm | 120 tonnes | 80 kg | 1.00 $m^2$ | SR-10108 |

Technical Aspects

| SN | Size | Load Capacity | Weight | Load Square Area | Product Code |
|---|---|---|---|---|---|
| 19 | 1000 X 1000 X 100mm | 160 tonnes | 100 kg | 1.00 $m^2$ | SR-101010 |
| 20 | 1200 X 1200 X 60mm | 180 tonnes | 86.4 kg | 1.44 $m^2$ | SR-12126 |
| 21 | 1200 X 1200 X 80mm | 220 tonnes | 115.2 kg | 1.44 $m^2$ | SR-12128 |
| 22 | 1200 X 1200 X 100mm | 220 tonnes | 144 kg | 1.44 $m^2$ | SR-121210 |
| 23 | 1500 X 1500 X 100mm | 250 tonnes | 225 kg | 2.25 $m^2$ | SR-151510 |
| 24 | 2000 X 1000 X 100mm | 280 tonnes | 200 kg | 2.00 $m^2$ | SR-202010 |
| 25 | 3000 X 1000 X 100mm | 300 tonnes | 300 kg | 3.00 $m^2$ | SR-303010 |

# Ground Protection Mats

Heavy-duty, temporary surfacing solutions, Ground Protection Mats, are designed to safeguard delicate ground surfaces from damage caused by heavy vehicles, equi pment, and foot traffic. The Ground Protection Mats are ideal for landscaping, events, construction, utilities, and various other industries.

## Uses of Ground Protection Mats

Ground Protection Mats are used to safeguard surfaces and protect them from damage while maintaining stability. These mats offer durability, a grip on ground surfaces, and load-bearing systems.

Ground protection mats help construction sites create stable pathways, ensure the safe movement of heavy equipment, and prevent damage to landscaping and agricultural areas.

# Ground Protection and Trackaway Solution

Ground protection and trackway solutions are specialized systems used to protect uneven, soft and sensitive ground surfaces and to create temporary access routes for machinery, vehicles and foot traffic. They are commonly used in construction, utilities, oil and gas, events, and landscaping sites. The industries that gain advantage with these solutions include oil, gas, utilities, and industrial operations, construction and infrastructure, sports, stadiums, warehousing and transportation hubs, municipalities, disaster relief, and so on. Product range includes HD (Heavy-duty trackway for industrial and construction Environments requiring high load capacity and LD (Light-duty trackway for events, stadiums, pedestrian access, and turf protection).

## Technical Specifications – Heavy Duty (HD)

| Specification | Value | Event Company Benefit | Use Case |
|---|---|---|---|
| Load Capacity | 30 tons/m² | Stage area, structurally heavy equipment, and trucks supported | The main access route for production vehicles |
| Tile Dimensions | 500 × 500 × 50 mm | Modular & predictable layout for planners | Roads for large event sites |
| Weight | 3.2 kg per tile | Easy and convenient handling during the fast setup | Rapid deployment crew operations |
| Surface | Vehicle-grade anti-slip | Forklifts and trolleys operate with less wear and tear | Arena + backstage logistics |
| Material | Recycled PP + UV additives | Eco-friendly solution for green events | Long-term outdoor exposure |
| Assembly | 1 × 2 m pre-assembled sheets | Faster build-outs for tight deadlines | Concert & festival setups |

## Technical Specifications – Light Duty (LD)

| Specification | Value | Event Company Benefit | Use Case |
|---|---|---|---|
| Load Capacity | 10 tons/m² | Supports crowd movement & small vehicles | Event walkways, F&B routes |
| Tile Dimensions | 600 × 150 × 23 mm | Flexible layouts for creative designs | Tent flooring & booth areas |
| Weight | 550 g per tile | Effortless manual handling | Large footprint events with quick turnover |
| Surface | Non-slip textured | Safe for high foot traffic | Stadium turf protection |
| Material | Lightweight UV-stabilised plastic | Long outdoor durability | Multi-day outdoor events |
| Assembly | Rollable + tool-free clips | Perfect for rapid deployment & recovery | Festivals, exhibitions |

## HD Technical Specifications

| Specification | Details |
|---|---|
| Tile Size | 500 × 500 mm (0.25 m²) |
| Thickness | 50 mm |
| Weight | 12.8 kg/m² (approx. 3.2 kg per tile) |
| Material | PP recycled + virgin blend |
| Load Capacity | 6.21 MPa / 900 psi / 30 tons/m² |
| Fire Rating | ASTM E84 (FSI 75, SDI 1000) |
| Pallet Coverage | 43 m² per pallet |
| 40 ft Truck | 946 m² |
| 40 ft Container | 860 m² |

## HD Technical Specifications

| Specification | Details |
|---|---|
| Tile Size | 600 × 150 × 23 mm |
| Weight | 550 g per tile |
| Sheet Size | 1.2 × 2.1 m (2.52 $m^2$) |
| Surface Area per Tile | 0.09 $m^2$ |
| Material | Lightweight plastic with UV stabilisers |
| Point Load | 10 tons/$m^2$ |
| Fire Rating | ASTM E84-20 (FSI 75, SDI 1000) |
| Pallet Coverage | 113 $m^2$ (single), 226 $m^2$ (double) |
| 20 ft Container | 1130 $m^2$ |
| 40 ft Container | 2260 $m^2$ |

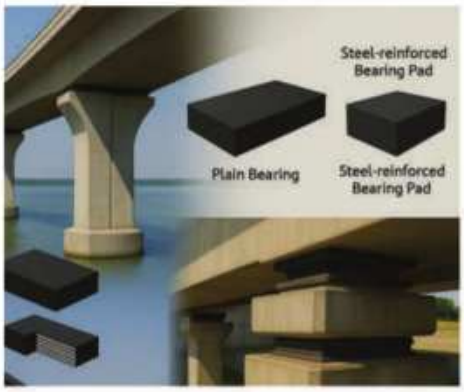
## HD vs. LD – Which System Do You Need?

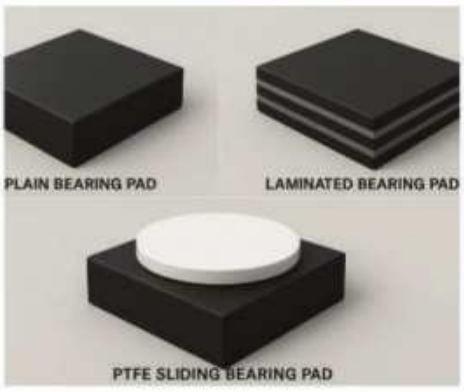
| Requirement | HD Tiles | LD Trackway |
|---|---|---|
| Heavy vehicles & machinery | ✓ | ✗ |
| Light vehicles on hard ground | ✓ | ✓ |
| Pedestrian walkways | ✓ | ✓ |
| Grass protection | ✗ | ✓ |
| Fastest installation speed | Moderate | Very fast |
| Industrial environments | ✓ | ✗ |
| Event & hospitality | ✓ | ✓ |
| Temporary access roads | ✓ | ✗ |

# Bridge Bearing Pads

**Bridge Bearing Pads (Neoprene, PTFE & Steel-Reinforced)**

A bridge bearing pad is a specifically designed load-bearing component placed between the bridge deck and the supporting piers or abutments. Its purpose is to transfer loads safely, reduce absorption, and absorb movement. The advantages of using bridge bearing pads include horizontal and high vertical load bearing capacity, managing rotation and thermal expansion, absorbing vibration and reducing noise, excellent weather assistance, UV protection, and chemical resistance.




## Comparison of all bearing pad types:

| Specification | Neoprene Bearing Pad | PTFE Sliding Pad | Specification |
|---|---|---|---|
| Material | Chloroprene Rubber (CR) | Rubber + PTFE Layer | Rubber + Steel Laminations |
| Load Capacity | High | High (Low Friction) | Very High |
| Movement Capability | Thermal + Rotation + Shear | Large Sliding Movement | Thermal + Seismic Movement |
| Durability | UV, Weather, Chemical Resistant | Abrasion + UV Resistant | Extreme Structural Durability |
| Shapes | Rectangular / Circular / Custom | Rectangular / Custom | Rectangular / Square |
| Best Use | Standard & Highway Bridges | Long-Span Bridges | Heavy-Load Structures |

# Technical Engineering Plastic Products

Ariane Ventures offers silicone plastic sheets. These sheets are durable, flexible, and heat-resistant. Silicone rubber sheets are utilized by various industries and in numerous applications. Our sheets are heat-, weather-, and chemical-resistant, and are used in different sectors, with a reliable supply to multiple industries.

## Uses of Silicone Rubber Sheets

Silicone rubber sheets are used in distinct industries and applications, including the automotive industry, food and beverage, industrial sealing, the electrical industry, and medical applications.

# Engineering Plastics Product

**Engineering Plastics: Sheets, Tubes, Rods in Saudi Arabia and the GCC**

Engineering plastics products are high-performance plastics designed to be durable, strong, and heat and chemical-resistant compared to regular plastics. These products are used to replace metals in several applications as they are lightweight but strong. Engineering plastics offer a high strength-to-weight ratio, are resistant to wear and abrasion, are highly machinable for custom parts, have a wide operating temperature range, and provide excellent moisture resistance.

## Our Range of Engineering Plastics

| Material | Form Available | Key Features | Common Applications |
|---|---|---|---|
| Nylon (PA6, PA66, PA12) | Rods, Sheets, and Tubes | High mechanical strength, resistant to impact & wear | Bushings, rollers, gears, and structural parts |
| Polyacetal (POM / Delrin / Acetal) | Rods and Sheets | High-dimensional stability Low friction | Bearings, gears, and precision components |
| Polyethylene (HDPE, UHMWPE 1000, HMWPE 500) | Sheets and Rods | Lightweight Impact-resistant | Cutting boards, tanks, and marine fittings |
| Polypropylene (PP) | Rods, Sheets | Chemical-resistant | Chemical tanks & lab equipment |
| Polyethylene Terephthalate (PET) | Rods, Sheets | Low absorption of moisture Rigid | Machine parts and wear plates |
| Polyvinyl Chloride (PVC) | Rods, Sheets | Flame-retardant and resistant to chemicals | Pipe fittings, electrical insulation |
| Polyether Ether Ketone (PEEK) | Sheets and Rods | Resistant to chemicals and high temperatures | Aerospace, oil & gas, medical |
| Bakelite (Phenolic Cotton & Paper) | Sheets, Rods | Rigidity, electrical insulation | Electrical panels, spacers, supports |
| Polyurethane (PU) | Sheets, Pads | Flexible, abrasion-resistant | Shock absorbers and stabilizer pads |
| Rubber Sheets (Neoprene, EPDM, Silicone, Viton) | Sheets | Resistant to sealing & vibration | Gaskets, seals, and flooring |

# Engineering Plastic Components for Heavy Equipment and Cranes

We offer engineering plastic components for heavy equipment cranes and equipment. Our products are designed to replace traditional metal parts with lightweight, wear-resistant, and low-maintenance solutions. Ariane Ventures offers products that are ideal for service providers, crane rental companies, and heavy equipment operators. Our products are ideal for operators working in harsh environments, including sand, dust, high temperatures, and corrosive conditions. Our products are manufactured from top-notch engineered plastics.

## Telescopic Boom Wear Pads and Boom Liners

We offer sliding components installed between boom sections of mobile and hydraulic cranes that are known as telescopic boom wear pads and liners. Our products are made up of durable, high-performance cast nylon and other low-friction engineering plastics. Our rear pads help the boom extend smoothly while minimizing stick-slip movement. The telescopic boom bear pads and liners are a popular, reliable aftermarket alternative to OEM crane wear pads.

## Advantages

- Controlled and smooth boom movement
- Steel-to-steel contact and reduced friction
- Dust-resistant, resistant to high temperatures and sand
- Custom machining available to drawing or sample

## Polymer Crane Pulleys

Polymer Crane Pulleys are also known as crane sheaves or rope wheels. The rope wheels are used in crane boom heads, hoisting systems, and lift assemblies to guide and support wire ropes. Manufactured from cast nylon and oil-filled engineering polymer grades, these crane pulleys are a lightweight and corrosion-resistant alternative to traditional steel pulleys.

Polymer crane pulleys significantly reduce wire-rope wear, operate with lower noise and vibration, and require minimal maintenance. These crane pulleys works perfectly for cranes operating in desert, coastal, and industrial environments where corrosion and abrasive dust are common.

## Key Advantages

- Extended wire-rope service life
- Quiet Operation
- Lightweight
- Weather and corrosion-resistant
- Custom groove profiles available

## Cable, Rope & Hose Guide Fairleads/Rollers

Cable, hose guide rollers, rope, and fairleads are essential protective components that guide wire ropes and hydraulic hoses along crane booms and moving structures. Our cables are manufactured from UHMWPE, nylon, or polyurethane. These rollers prevent abrasion, snagging, and premature cable failures. Cables and ropes components are critical in high-temperature and sandy conditions.

## Key Advantages

- Eliminates maintenance costs
- Resistant to impact and wear
- Protects hydraulic hoses and wire ropes
- Ideal for replacement applications

## Plain Bearings & Plastic Bushings

Plastic bushings and plain bearings (heavy-duty) are mostly used in articulation points, crane pivot joints, and structural linkages. These plastic bushings are crafted from PTFE composites, cast nylon, and acetal (POM). These bushings provide grease-free operation, corrosion resistance, and load distribution.

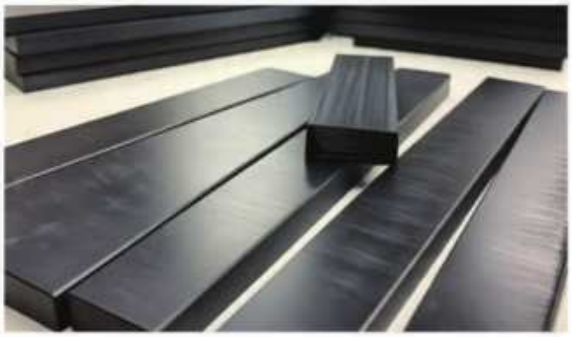
Engineering plastic bushings are ideal and works the best in dusty and abrasive conditions. These bushings significantly reduce maintenance requirements compared with traditional bronze or steel bushings.

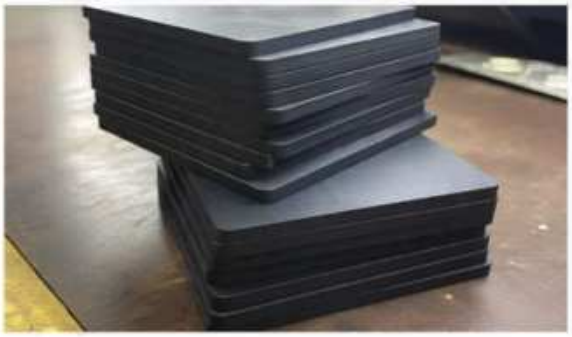
## Key Advantages

- Maintenance-free and self-lubricating
- Dust and corrosion-resistant
- Long service life
- Available in standard and customized

# PE Shims

## High-Density Plastic & PE Shims: Crafted for Load Support & Leveling





## Primary Features

- Load-bearing capacity up to 20 tons and it depends on the thickness
- Designed from good quality PVC, Polyethylene (PE), and other types of plastics
- Recyclable and reusable
- Oil, chemical, and weather-resistant
- Plastic & PE Shims are available in various thicknesses, including 1mm, 2mm, 3mm, 5mm, 10mm, and custom sizes

## Ideal for

- Equipment leveling and vibration dampening
- Machine mounting and baseplate shimming
- Brick and block leveling
- Construction

| Material & Specifications | | | | |
|---|---|---|---|---|
| Material | Color | Thickness (mm) | Size (mm) | Load Capacity (tons) |
| PE / PVC | Black / Yellow / Red | 1 / 3 / 5 / 10 | 100×100 / 150×150 / Custom | Up to 20 tons |

## Certificates and Compliance

- ISO 9001:2015 Certified
- REACH & RoHS Compliant
- Tested to ASTM & DIN Standards

## Reasons to Choose Ariane Ventures

- Over 10 years of manufacturing experience
- Customized dimensions and logo printing available
- Competitive pricing with fast global delivery

# PE Cutting Boards

## PE Cutting Boards- Heavy Duty HDPE Chopping Surfaces for Industrial Use and Kitchen

Durable, Hygienic, and Knife-Friendly

## Product Overview

Our PE (Polyethylene) Cutting Boards are crafted for hygiene and durability. Ariane Ventures manufactures PE cutting boards from high-density polyethylene (HDPE). Our PE cutting boards offer excellent resistance to impact, moisture, chemicals, and knife scarring. Our product is ideal for use in food processing, commercial kitchens, butcheries, and industrial environments.

## Primary Features

- Material: 100% Food-Grade HDPE
- Thickness: 10mm to 50mm
- Size: Customizable from 300x200mm to 2000x1000mm
- Colors: Red, White, Green, Yellow, Blue, Brown
- Surface: Stain-resistant, easy to clean, and non-porous,

## Primary Features

- Non-toxic and Hygienic: Resists bacterial growth, FDA & LFGB certified
- Knife-Friendly Surface: Reduces Maintenance and protects blade sharpness,
- Heavy-Duty & Long-Lasting: Never cracks, chips, warps, and absorbs moisture
- Dishwasher Safe & Easy to Sanitize: Can be sterilized using hot water or chlorine-based solutions
- Color-Coded Safety: Avoid cross-contamination (meat, fish, vegetables, dairy, etc.)
- Customization Available: Cut-to-size boards, CNC engraving, and logo printing

TECHNICAL DATA

| Property | Specification |
|---|---|
| Density | 0.95 g/cm³ |
| Temperature Range | -50°C to +80°C |
| Water Absorption | < 0.01% |
| Hardness (Shore D) | 65-70 |
| Impact Resistance | Excellent |
| Certifications | FDA, RoHS, REACH, SGS |

## Applications

- Commercial & Hotel Kitchens
- Butcher Shops & Meat Processing Plants
- Industrial Food Processing Lines
- Supermarkets, Fish Markets
- Laboratory & Chemical Use (non-reactive cutting surface)

## Custom Option Available

We offer custom cutting boards to fit your exact requirements. Choose:

- Shape (square, rectangle, round, grooved edges)
- Thickness and color
- Logos, handles, or non-slip bases

## Why Choose Us?

- 10+ years of experience in plastic board manufacturing
- ISO 9001 certified facility
- In-house design and CNC machining
- Trusted by 500+ global clients

# PTFE Products

## PTFE Products (Sheets, Teflon Rods, Gaskets & Components in Saudi Arabia & the GCC)

PTFE or Polytetrafluoroethylene is a high-performance polymer known for its chemical resistance, non-stick surface, and very low friction. It is widely used in mechanical, industrial, electrical, and food-grade applications. Key properties of PTFE include non-stick properties, chemical inertness, high dielectric strength, a wide temperature range, UV & weather resistance, and a low friction coefficient.

## Material Testing and Performance (ASTM Standards)

| PTFE Grade | Composition | Specification |
|---|---|---|
| Virgin PTFE (100%) | Pure unfilled PTFE | • Resistant to chemicals, low friction<br>• Suitable for gaskets, insulators, and linings |
| 15% Glass Filled PTFE | PTFE + 15% Glass Fiber | • Increased compressive strength<br>• Better wear resistance<br>• Used in piston rings and bearings |
| 15% Graphite Filled PTFE | PTFE + 15% Graphite | • Enhanced thermal conductivity<br>• Lower friction<br>• Ideal for valve seats |
| 15% Glass + 5% MOS2 Filled PTFE | PTFE + Glass + Molybdenum Disulfide | • Dynamic seals<br>• Improved wear and load capacity<br>• Suitable for mechanical and sliding components |

# Rubber Mats/ Rubber Tiles

Rubber Mats, also known as anti-slip rubber surfacing, interlocking rubber tiles, and other similar products, are crafted to withstand extreme temperatures, moisture, chemicals, and heavy foot traffic, delivering safety with long-lasting performance. Our rubber mats are slip-resistant, shock-absorbing, easy to maintain, and resistant to water and oil.

## Type of Rubber Mats

- Rubber Flooring Rolls
- Anti-Fatigue Rubber Mats
- Entrance Rubber Mats
- Drainage Mats

On the other hand, floor mats are used in both outdoor and indoor spaces. The floor matts are designed with different materials like vinyl, rubber, and polypropylene.

## Ideal for

- Manufacturing Units
- Commercial Kitchen
- Schools
- Gyms
- Hospitals
- Residential Garages

# Industrial Mats

Industrial mats or heavy-duty flooring solutions are designed to provide comfort, protection, safety, and cleanliness in workplaces and industrial plants. They are designed to withstand heavy foot traffic, harsh environments, oil spills, chemicals, machinery vibrations, and electrical hazards. Industrial mats offer ergonomic comfort for long-standing shifts, heavy-duty performance in industrial settings, proven slip resistance for safety, and a variety of materials and styles.

## Product Specifications

| Product Type | Material | Thickness | Surface | Best For |
|---|---|---|---|---|
| Diamond Plate Anti-Fatigue Mat | PVC/Nitrile | 9–15 mm | Diamond Plate Pattern | Manufacturing, Automotive, Workshops |
| Rubber Drainage Mat | Natural Rubber | 12–22 mm | Open-Hole Drainage | Kitchens, Food Processing, Wet Areas |
| Bubble Comfort Mat | Rubber | 14 mm | Bubble Surface | Warehouses, Labs, Retail Counters |
| Chemical-Resistant Mat | Nitrile Rubber | 10–12 mm | Smooth / Textured | Chemical Plants, Oil & Gas, Labs |
| Playground/Grass Mat | Rubber Compound | 20–25 mm | Perforated / Grass-Friendly | Outdoor Areas, Schools, Playgrounds |

# Industrial PVC Interlocking Tiles

**Heavy-Duty Industry PVC Interlocking Tiles for Warehouses, Workshops & ESD Facilities**

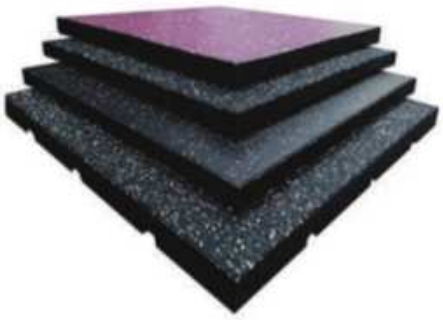
Industrial PVC interlocking tiles are heavy-duty floor tiles made from high-quality PVC that lock together like puzzle pieces. They create a durable, firm, and seamless floor surface without the need for adhesives or complex installation. They are designed to withstand high-foot traffic, heavy loads, chemicals, oil spills, and industrial wear. Key features of industrial PVC interlocking tiles include fast, disruption-free installation, high chemical and mechanical resistance, R10 anti-slip for safety, great point load resistance, heat and sound insulation, and suitable for uneven or old subfloors.

## TECHNICAL SPECIFICATIONS

| Parameter | Value |
|---|---|
| Tile dimensions | 510.5 × 510.5 mm |
| Thickness | 7 mm |
| Approx. weight | 2.3 kg per tile |
| Material | Homogeneous 100% PVC, recyclable |
| Surface Finishes | Diamond, Coin, Leather, Skin (variant dependent) |
| Slip resistance | R10 (most designs) |
| Compressive strength | 520 kg/cm² |

# Premium Rubber Mats and Tiles - Sports and Gym Flooring

Our premium rubber mats and tiles are specially designed for fitness centers, sports facilities, and gyms. The mats and tiles are shock-absorbing surfaces that offer durability, safety, and provide comfort for high-intensity activities.

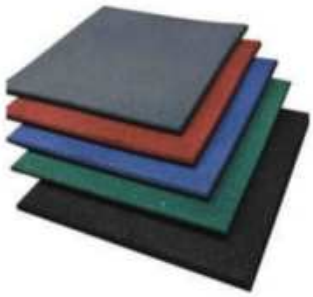


## Premium Rubber Mats and Tiles are Ideal for

- School and University Gyms
- Yoga and Aerobics Studios
- Home Gyms
- Sports Complexes and Training Facilities
- Commercial Gyms and Fitness Clubs

# Sports Flooring Products

Sports Flooring Products are also known as rubber sports tiles, acrylic sports flooring, slip-resistant sports mats, synthetic turf flooring, and multi-sport flooring systems. Our sports flooring products are durable and are capable of variety of rigorous activities. We have a wide range of sports flooring products. Let's explore.



## Diode- Interlock

**DIMENSIONS:**

| Size | 50cm x 50cm | 100cm x 100cm |
|---|---|---|

| Thickness (mm) | 10 | 15 | 20 | 25 | 30 | 35 |
|---|---|---|---|---|---|---|

| Color variation | 10-15% for pigmented tiles |
|---|---|

| Standard Tolerances | Width | Length | Thickness |
|---|---|---|---|
| | +/- 3 mm | +/- 3 mm | +/- 2 mm |

**MATERIAL:**

| 100% SBR granulate in 7 color options |
|---|
| 85% SBR granulated + 15% EPDM granulated in 20+ color combinations |

# Gym Flooring Products

Also known as rubber gym mats, resilient flooring, gym matting, athletic flooring, and so on, Ariane Ventures offers a wide range of gym flooring products. Our products are affordable, dense, sturdy, easy to clean, and antistatic. Let's have a look at the distinct types of gym flooring products available to us.

## Diode- Active Rolls

**DIMENSIONS:**

| | | | |
|---|---|---|---|
| Size | 1.2 x 10m | | |
| Thickness (mm) | 6 | 8 | 10 |
| Weight | 6mm – 79 kg/roll | 8mm – 106 kg/roll | 10mm -132 kg/roll |
| Roll Area | 12 $m^2$ | | |

| Standard Tolerances | Width | Length | Thickness |
|---|---|---|---|
| | +/- 3 mm | +/- 3 mm | +/- 2 mm |

**MATERIAL:**

| |
|---|
| 85% SBR granulated + 15% EPDM granulated in 20+ color combinations |

| | |
|---|---|
| color combinations | 10-15% for pigmented |

# Rubber Wall Guard Protection System

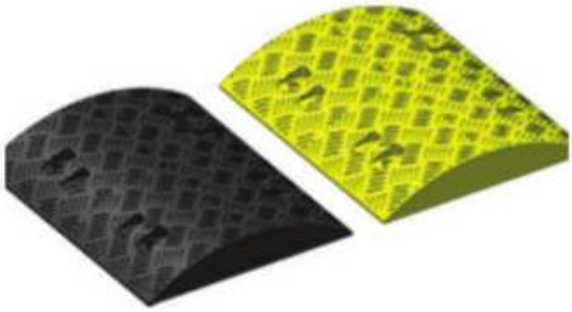
Rubber wall guard protection systems are used to keep walls and surfaces free from damage from impact, abrasion, or heavy traffic. The budget-friendly and durable systems are used for commercial, industrial, and residential spaces.

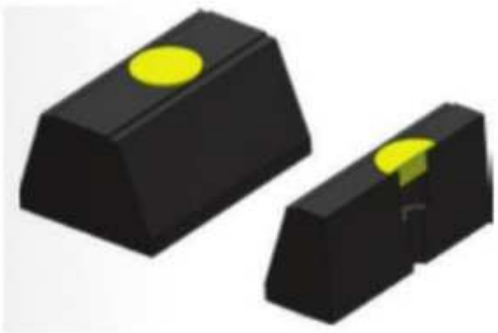
## Uses of Rubber Wall Guard Protection System

- Prevents walls from damage from scrapes, dents, and scratches.
- Absorbs shocks from carts, trolleys, and other moving equipment.
- Prevents dents and wall damage.
- Offers an aesthetic look and maintains the structural integrity of walls by acting as a buffer in the high-traffic areas.

# Building Protection System

We provide the best building protection systems, designed to protect buildings from wear, physical damage, and environmental impact. Let's check out our range of building protection systems.





## Corner Guards Type A

Corner Guards Type A are heavy-duty protective components designed to provide maximum visibility to drivers through black and yellow stripes in standard hazard warning colors

| Sizes: Wing Size | | | | | |
|---|---|---|---|---|---|
| 55 x 55 | 65 x 65 | 75 x 75 | 90 x 90 | 100 x 100 | 120 x 120 |

| Standard Length | |
|---|---|
| 1 meter | 1.2 meter |

# Parking Solution Products

Parking Solution Products are designed to improve efficiency, safety, and organization in parking areas. These solutions help avoid guide vehicles, accidents, protect infrastructure, and optimize space usage.

## Parking Solution Products- Types

- Rubber Corner Guards
- Rubber Wall Guards
- Rubber Speed Hump
- Rubber Wheel Stopper
- Semi Solid
- Rubber Dock Bumpers
- Bollards
- Rubber Sports Inserts
- Anti-Vibration Pads
- Rubber Lining
- Construction Rubber Profiles
- Plain Elastomeric Bearing Pads
- Laminated Bearing Pads
- Sliding Bearing Pads

# PE Dock Bumper

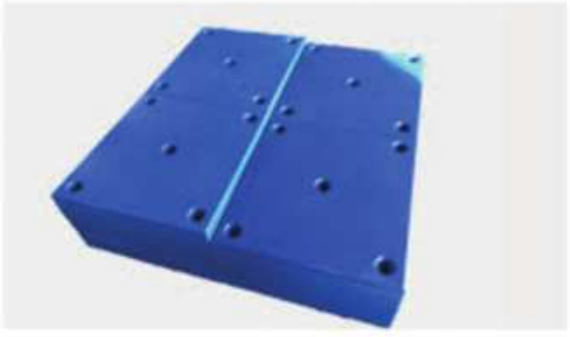
A PE Dock Bumper is an impact-resistant safety product designed to prevent structural damage and absorb shocks. Unlike traditional rubber bumpers, our PE Dock Bumpers offer durability, long service life, and UV resistance.

## Features of PE Dock Bumper

- High Impact Resistance
- UV Stabilized Material
- Low Maintenance
- Easy to Maintain and Install
- Smooth Sliding Surface

# UHMWPE Fender

Ultra-High Molecular Weight Polyethylene Fender, or UHMWPE, is a high-performance plastic pad or sheet used as a facing for marine fenders. The UHMWPE fenders have great strength and are abrasion-resistant. These fenders help protect fender systems and vessel hulls during berthing operations.



## Uses of UHMWPE Fenders

- Offshore Platforms and Oil Terminals
- Port and Harbor Facilities
- Bridge Piers and Causeways
- Dry Docks and Shipyards
- Tug and Barge Operations

# Cargo Grip Container

Cargo Grip Container is a liner system or anti-slip mat designed to enhance load stability during transportation. Our grip containers are made from composite materials and high-friction rubber. The Cargo Grip Containers are important for improving the safety of transportation and reducing cargo damage

## Uses of Cargo Grip Containers

- Ship Containers
- Railway Freight Operations
- Truck and Trailer Transport
- Warehouse and Distribution Centers
- Aerospace and Defense Logistics
- Construction and Heavy Equipment Transport

# Wheel Chocks

Wheel Chocks are the blocks in a wedge shape that are placed against the tires of the vehicles to prevent accidental movement while parked, loading and unloading, or during maintenance. Our wheel chocks are made up of metal, polyurethane, or rubber. This product ensures that the vehicles remain stationary on slopes or uneven ground.

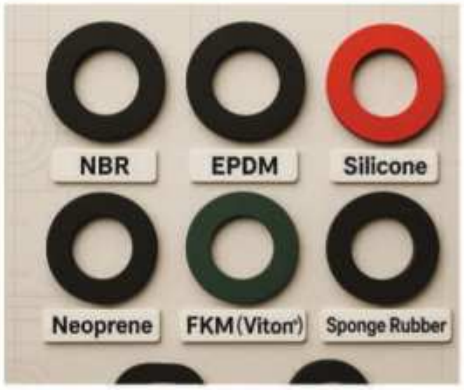
## Uses of Wheel Chocks

- Commercial Vehicles and Trailers
- Construction Equipment
- Warehouse Operations
- Aircraft Ground Handling
- Mining and Heavy Industry

# Gaskets & Seal Materials

## Gaskets & Seal Materials: PTFE, CNAF Gaskets, and Rubber in Saudi Arabia and the GCC

Gaskets and seals are materials placed between two surfaces to prevent gases, leakage of fluids or pressure. They are used in flanges, pipelines, pumps, compressors, industrial equipment and automotive parts. PTFE gaskets and sealing products include PTSD sheet and Rod gaskets, PTFE ready-cut gaskets, expanded PTFE gaskets, PTFE envelope gaskets, winding strips and PTFE gasket tape and PTFE envelope bush and dimple sheets. Key features of gaskets and seal materials include chemical resistance, temperature resistance, FDA compliant, non-sticky surface, zero water absorption and operating range from -200°C to plus 260°C.

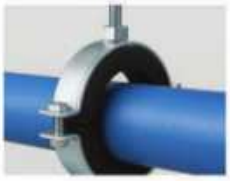


## Material Testing and Performance (ASTM Standards)

| Material | Primary Properties | Applications |
|---|---|---|
| Neoprene Rubber | Weather & oil resistant | HVAC, marine, and sealing panels |
| EPDM Rubber | Resistant to water and ozone | Water treatment, outdoor gaskets |
| Silicone Rubber | High-temperature | Food and electrical insulation |
| Viton (FKM) | Resistant to chemicals | Petrochemical & chemical industries |
| Coin Rubber / Corrugated Rubber | Anti-slip and flexible | Flooring, vibration pads |
| Electrical Grade Rubber | Dielectric insulation | Power and electrical systems |

# Rubber Support Insert for Chilled Water & HVAC Pipes

Rubber support inserts for chilled water & HVAC pipes are designed to support chilled water and HVAC pipeline systems. They are placed between the pipes and clamp to provide proper insulation, stability, and protection. Rubber support inserts are used for thermal insulation, load distribution, vibration & noise reduction, and prevents pipe damage. These inserts are used for HVAC supply and return lines, refrigeration piping, chilled water piping, and industrial and commercial and plumbing setups.



## Material Testing and Performance (ASTM Standards)

| Sl No | Property | Test Method | Condition | Specification |
|---|---|---|---|---|
| 1 | Base Polymer | – | – | NR / SBR |
| 2 | Specific Gravity | ASTM D 1817 | Before Ageing | 1.50 ± 0.05 g/cm³ |
| 3 | Hardness | ASTM D 2240 | Before Ageing | 80–90 Shore A |
| 4 | Tensile Strength | ASTM D 412 | Before Ageing | ≥ 65 Kg/cm² |
| 5 | Elongation at Break | ASTM D 412B | Before Ageing | ≥ 175% |

# Mechanical & Industrial Solution

Mechanical & industrial solutions refer to a wide range of products, services, and engineering systems designed to support industrial operations, ensure safety, improve efficiency, and enhance equipment. These solutions help industries run smoothly by providing the right tools, machinery, components, and technical support. Our range of mechanical products includes pipes, flanges, and fittings, PVC pipes, carbon steel and stainless steel, gaskets and nuts, and industrial and pressure-rated flanges.

## Applications and Features

Mechanical solutions can be applied to chemical processing plants, general fabrication, oil & gas lines, and water supply systems. Features include resistance to pressure and high temperature, and leak-proof performance in corrosive environments.

# Rubber & Polyurethane Product

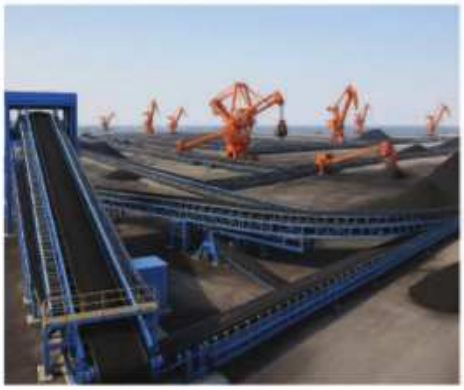
Rubber & Polyurethane (PU) products are specialized industrial components used for vibration control, sealing, protection, cushioning, ear-resistance, and mechanical support. These materials are chosen for their flexibility, durable, strength, ad ability to perform under tough industrial conditions.

## Rubber Sheet Product Range

| Material Type | Key Features | Applications |
|---|---|---|
| Neoprene Rubber Sheet | Excellent oil, weather & abrasion resistance | Gaskets, seals, flooring, sound insulation |
| EPDM Rubber Sheet | Superior water & ozone resistance | Outdoor sealing, roofing, and HVAC applications |
| Silicone Rubber Sheet | High temperature & food-grade safe | Food processing, electrical insulation, pharma |
| Viton (FKM) Rubber Sheet | Excellent resistance to heat, fuels & chemicals | Oil & gas, chemical processing plants |
| Coin / Corrugated Rubber | Non-slip, flexible surface | Anti-vibration flooring, conveyor platforms |
| Electrical Grade Rubber | Insulating & dielectric properties | Power plants, electrical equipment |

# Rubber Conveyor Belts

Rubber conveyor belts are durable, flexible belts made of layers of rubber and fabric or steel, used to move materials from one place to another. These belts are a key component in conveyor systems used across industries for transporting bulk materials, products, goods and heavy loads efficiently. Benefits of choosing conveyor belts include heavy-duty performance for demanding applications, reduced life-cycle costs and downtime, efficient bulk handling, long-lasting dependability in harsh environments, and customized solutions for any industry or application.



## Our Selection of Products

### 1. General Purpose (GP)

They are created with Polyester and Nylon mix (EP) or Nylon and Nylon mix (NN) fabrics. These general-purpose conveyor belts offer incredible tensile strength. With their brilliant flexibility and durability, they are ideal for heavy-duty tasks!

### 2. Heat-Resistant Conveyor Belts

Made to operate continuously at temperatures as high as 220°C, these belts employ heat-resistant rubber compounds that guard against structural damage, hardening, and cracking.

### 3. Fire-Resistant Conveyor Belts

These belts are designed to limit heat and stop it from spreading further. They adhere to global fire safety regulations.

### 4. Oil-Resistant Conveyor Belts

These belts guard against swelling, softening, or structural failure brought on by contact with vegetable, petroleum, or animal fats.

### 5. Impact-Resistant Conveyor Belts

Designed to withstand high shock loads brought on by large, abrasive, sharp objects falling from a height.

# Industrial Rubber Lining Solutions

Industrial Rubber Lining Solutions refers to the process of applying a protective layer of rubber onto an external or internal surface or equipment used in industrial environments. Rubber lining solutions are used in industries including chemical processing, power plants, mining and minerals, water treatment, and fertilizer and steel plants.

## Lining Material Selection

| Lining Type | Temperature (°C) | Properties | Applications |
|---|---|---|---|
| Rubber (Natural /Butyl / Neoprene) | 80–130 | High chemical resistance, abrasion protection | Tanks, pipes, vessels |
| Polyurethane (PU) | 100–120 | Impact & wear resistance | Hoppers, slurry systems |
| FRP | 100–150 | Lightweight, non-corrosive | Tanks, Ducts, scrubbers |
| Polyurea | –30 to 150 | Seamless,waterproof, flexible | Concrete protection, water tanks |
| Epoxy | –10 to 120 | High adhesion, chemical resistant | Pipelines, Coatings, Tanks |

## Key Industries Served

| Industry | Applications | Recommended Materials |
|---|---|---|
| Mining, Quarrying & Aggregates | Hoppers, chutes, slurry pipes, separators, sand plants, conveyor rollers | Soft natural rubber (40–70IRHD) |
| Chemicals & Pharmaceuticals | Storage tanks, vessels, valves, pumps, filters, agitators | Hard ebonite, neoprene, butyl, hypalon |
| Electroplating & Metal Finishing | Electroplating tanks, filters, shot-blast machines | Ebonite rubber, PVC, soft rubber |
| Food & Brewing | Mixers, coating pans, process vessels | Food-grade white rubber |
| Marine Industry | Fume scrubbers, dredging pipelines, cooling pipework | Ebonite (corrosion), soft rubber (wear) |
| Materials Handling | Chutes, hoppers, bins, conveyor rollers | Soft natural rubber |
| Power Generation | Cooling systems, coal handling plant | Natural rubber, EPDM |
| Water & Effluent Treatment | Vessels, agitators, dosing tanks, filters | Butyl, EPDM, neoprene, hypalon |
| Civil Engineering | Rollers, compactors, cement mixers | Soft natural rubber |

## Rubber Lining Materials & Technical Data

Neoprene80–85120Chemical, oil, water resistance

| Type | Hardness (Shore A) | Max. Temperature(°C) | Typical Applications |
|---|---|---|---|
| Natural Soft | 70–75 | 90 | General abrasion resistance |
| Natural Hard | 85–95 | 90 | Acid and alkali tanks |
| Ebonite | 100 | 80 | Electroplating, chemical vessels |
| Open Ebonite | 95–98 | 80 | Chemical tanks |
| Nitrile | 40–95 | 120 | Hydrocarbon environments |
| Butyl | 80 | 130-140 | Strong acid resistance |
| EPDM | 75 | 160–170 | Steam and chemical resistance |
| Hypalon | 80 | 140 | UV and ozone resistance |
| Silicone | 40-80 | 175 | High temperature applications |
| Viton | 90 | 300 | Extreme chemical and thermal resistance |

# Our Clients

ارامكو السعودية
Saudi Aramco

سابك
sabic

MA'ADEN
معادن

نيوم NEOM

Red Sea
Global

مجموعة شركات الزاهد
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Qiddiya

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Um Al Qura

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sela

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Saudi Electricity Company

DOOSAN

ساسرف
SASREF

SAMSUNG
SAMSUNG ENGINEERING

KAFD

Schlumberger

HYUNDAI

التصنيع
TASNEE
National Industrialization Company

سبكيم
Sipchem

ساتورب
satorp

اليمامة
AlYAMAMA

STC
الاتصالات السعودية

سامرف
Samref

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الهيئة الملكية بالجبيل
Royal Commission for Jubail & Yanbu

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luberef

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Advanced

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Sadara

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ariane ventures

# Contact & Ordering Information

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www.diode.sa

Our technical sales team is available to assist you with product selection, custom configurations, and pricing.