



HONGXI NEW MATERIAL

PRODUCT BROCHURE

Product Manual · 2026



PRODUCT SCOPE

Sheets, CNC parts, guides, pads, liners, wheels, gears, screens & custom parts

SUPPLY MODE

Drawing-based, sample-built, batch supply, material selection

TYPICAL USE

Conveyors, vehicles, ports, mining bins, food packaging

MATERIALS

UHMWPE, PA, PE, POM, PP, PTFE, ABS

IMAGE GALLERY

Sheets, guides, pads, liners, wheels, gears and product series

PRODUCT SYSTEM

Materials, machining capability and application products

PRODUCT CATALOG

Product Catalog

A clear selection system for engineering plastics.

01 Materials & Selection

UHMWPE, PA, PE, POM, PP, PTFE, ABS

02 Sheets & CNC Parts

Sheets, rods, blanks, drawing-based parts

03 Guides & Sliders

Chain guides, machine sliders, boom sliders

04 Pads & Liners

Outrigger pads, fender panels, liners, mats

05 Wheels & Drives

Rollers, bushings, gears, star wheels

06 Screens & Custom

Perf. sheets, screens, PTFE parts, more custom

Selection Tips Wear & impact: UHMWPE. Tough & quiet: PA. Precision drive: POM. Corrosion & low friction: PTFE. Light/economy: PE / PP / ABS.

MATERIAL	KEY FEATURES	TYPICAL PRODUCTS
UHMWPE	High wear, impact, self-lube, low friction, chem. & cold resistant	Sheets, liners, guides, pads, custom parts
PA / Nylon	Tough, light, quiet, insulating, stable size	Rollers, bushings, gears, pads, sliders
PE	Chem. stable, water resistant, insulating, low friction, color options	Machine parts, pads, pipe parts, corrosion parts
POM	Rigid, stable, self-lube, fatigue resistant, metal-like performance	Precision gears, rollers, bushings, locators
PP	Low density, acid/alkali resistant, insulating, light, economical	Electrical parts, pipe fittings, light structures
PTFE	Ultra-low friction, corrosion resistant, wide temp., non-stick	Seals, gaskets, slide parts, chem. parts
ABS	Balanced strength, easy machining, weatherable, good surface	Housings, pads, structural fittings

WEAR & IMPACT

Guides, liners, pads, road mats and fender panels for high-wear contact.

PRECISION & QUIET

Gears, bushings, rollers, sliders and star wheels for drive/guide parts.

CORROSION & INSULATION

PTFE, PE, PP and ABS for chemical, electrical and clean environments.



CATALOG

Product Series

By material, structure and application.



PRODUCT SERIES

Sheet Series UHMWPE / PA / PE / POM / PP / PTFE / ABS

Multi-material plastic sheets. Custom thickness, color, size and machining for wear, corrosion, weight saving and insulation.

KEY

- White, black, blue, green, yellow, red
- Cutting, drilling, slots, chamfers, protective film
- Large sheets, shaped panels, wear liners, machine pads

USE Conveyors / Food machinery / Textile / Construction / Chem. equip.



PRODUCT SERIES

Rod & Color Stock Sheets, rods, square bars, discs & blanks

For machining blanks, stock prep and batch matching. Colors, specs and allowance can be planned by sample or drawing.

KEY

- Clear colors for area ID and matching
- Sheets, rods, blocks, discs and basic blanks
- From small samples to batch supply

USE Machining blanks / Spare parts / Fixtures / Insulation pads



PRODUCT SERIES

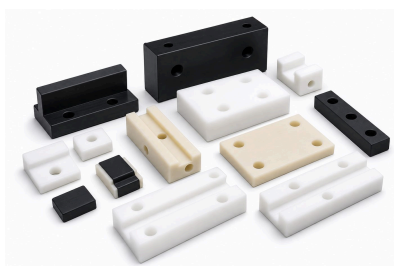
CNC Parts Drawing-based / sample-built / batch supply

Covers UHMWPE, PA, PE, POM, PP, PTFE, ABS and more. Supports turning, milling, drilling, slots, chamfers and custom shapes.

KEY

- Wear, quiet, low friction, insulation, corrosion options
- Blocks, wheels, bushings, sheets, guides, pads
- Drawing, sample or work-condition customization

USE Packaging / Conveyors / Food machinery / Automation / Vehicles



PRODUCT SERIES

Machine Sliders Wear sliders / guide blocks / machine pads

For guide, limit and sliding-contact points. Helps reduce metal friction, noise and service frequency.

KEY

- Counterbores, holes, slots, steps and chamfers
- UHMWPE, PA, POM material options
- For high-frequency, mid/low-load sliding

USE Packaging equip. / Conveyors / Fixtures / Lifts / Automation



PRODUCT SERIES

Boom Sliders Boom wear pads / telescopic arm guides

For aerial platforms, engineering vehicles and telescopic booms. Designed for load, wear, noise control and easy service.

KEY

- Thickness and holes matched to contact surface
- Strips, angle blocks, press plates, side guides
- Smoother extension, less metal wear

USE AWP / Lifting equip. / Telescopic booms / Vehicle guides



CATALOG

Product Series

By material, structure and application.



PRODUCT SERIES

Chain Guides T / K / Straight / Side guides

For chain conveyors and automation lines. UHMWPE gives low friction, wear resistance, low noise and anti-stick performance.

KEY

- Slots, drilling, chamfers and end joints
- Custom section by chain model and track
- For long lines, food, packaging and logistics

USE Chain conveyors / Packaging / Food lines / Sorting / Automation



PRODUCT SERIES

Outrigger Pads Crane / pump truck / support pads

For cranes, pump trucks and engineering vehicles. Spreads ground pressure, protects the surface and improves support stability.

KEY

- Square, rectangle, round, radius and hand holes
- Lighter than metal pads, easy to move
- Color, thickness and load grade by condition

USE Cranes / Pump trucks / AWP / Repair work / Outdoor support



PRODUCT SERIES

Fender Panels Dock fender / marine wear panels

For docks, ship berthing and port protection areas. Reduces friction, impact wear and extends fender system life.

KEY

- Counterbores, curved edges, joint holes, large panels
- Low friction, seawater corrosion resistant, impact resistant
- Fits rubber fenders and steel structures

USE Dock fenders / Port equipment / Ships / Offshore platforms



PRODUCT SERIES

Liners & Road Mats Bunker liners / wear liners / temp. road mats

Covers bunkers, silos, chutes, temporary access and high-wear surfaces. Low friction helps improve material flow.

KEY

- Flat, textured, jointed and perforated panels
- Anti-stick, wear resistant, corrosion resistant, quiet
- Thickness, holes and joints by site structure

USE Bunkers / Mining / Cement plants / Ports / Temporary access

CATALOG

Product Series

By material, structure and application.



PRODUCT SERIES

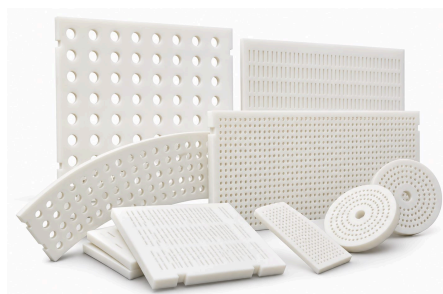
Heavy-Duty Bed Plates Support plates / sliding beds / wear beds

For heavy equipment support, conveyor sliding beds and long-term friction surfaces, balancing load, wear and service efficiency.

KEY

- Long strips, whole plates, sections and bolt fixing
- For heavy load, continuous friction and dusty sites
- Material by load, speed and medium

USE Conveyors / Heavy slides / Mining equip. / Bed support



PRODUCT SERIES

Perf. Sheets & Screens Screen plates / filter plates / drain plates

For screening, filtering, drainage, flow guiding and protection. Hole size, pitch, open area and thickness can be customized.

KEY

- Round, slot, custom holes and zone patterns
- Smooth surface, wear/corrosion resistant, low noise
- Lighter alternative to some metal screens

USE Water treatment / Food machinery / Mining screens / Filtration



PRODUCT SERIES

U-Liners Trough liners / semi-round liners / conveyor liners

For curved troughs, conveyors, chutes and tubular contact surfaces. Reduces wear, improves flow and protects the body.

KEY

- Custom arc and width by trough size
- White, blue, black and multiple thickness options
- For bulk material flow, guiding and anti-stick use

USE Screw conveyors / Chutes / Silo outlets / Environmental equip.



PRODUCT SERIES

Rollers & Bushings Nylon wheels / POM wheels / pulleys / sleeves

For rotating, guiding, supporting and spacing positions. Lightweight, wear resistant, quiet and protective to mating parts.

KEY

- Bearings, grooves, step holes and chamfers
- Replaces metal wheels in quiet/lightweight designs
- Small-batch and non-standard customization

USE Conveyors / Door pulleys / Packaging / Automation / Textile



CATALOG

Product Series

By material, structure and application.



PRODUCT SERIES

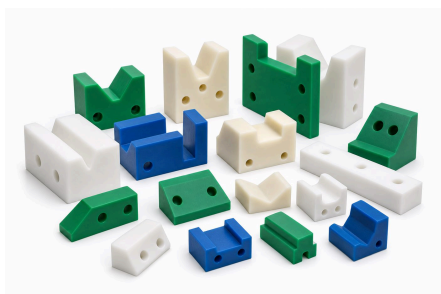
Gears & Star Wheels Nylon gears / POM gears / star wheels / sprockets

For transmission, dividing bottles, turntables and chain engagement. Reduces noise, protects mating parts and supports custom pitch/tooth/hole specs.

KEY

- Gears, sprockets, star wheels, guide discs
- For food, beverage, packaging and light drive
- Made from sample measuring or drawings

USE Filling lines / Beverage packaging / Chain drive / Machinery



PRODUCT SERIES

Limit Blocks U blocks / V blocks / locators / bumpers

For positioning, limiting, anti-collision, guiding and soft-contact protection in fixtures, conveyors, vehicle structures and automation.

KEY

- U/V grooves, shaped holes, counterbores, steps
- Bright colors for maintenance and zone ID
- Wear resistant, low noise, protects metal surfaces

USE Fixtures / Automation lines / Vehicles / Logistics / Buffers



PRODUCT SERIES

PTFE Parts PTFE sheets, gaskets, sleeves, rings, seals

PTFE is used for corrosion resistance, low friction and non-stick performance in chemical, electrical, sealing and sliding parts.

KEY

- Very low friction, non-stick, chemical resistant
- Sheets, rods, rings, gaskets, bushings, custom parts
- For clean and corrosive contact points

USE Chemical equip. / Seals / Slide pads / Electrical insulation



PRODUCT SERIES

Soccer Boards Training boards / field barriers / rebound boards

For sports training, field separation and temporary barriers. Impact resistant, weatherable, easy to clean and modular by field size.

KEY

- Handles, slots, corner supports, modular assembly
- Impact resistant, low water absorption, outdoor use
- Custom color, size and thickness

USE Soccer training / Sports fields / Schools / Temporary barriers



IMAGE COLLECTION

Image Collection

Product photos for guides, pads, liners, wheels, gears, sliders and custom parts.



Nylon Parts



Gear Series



Chain Guides



Outrigger Pads



Boom Sliders



Fender Panels



Heavy-Duty Bed Plates



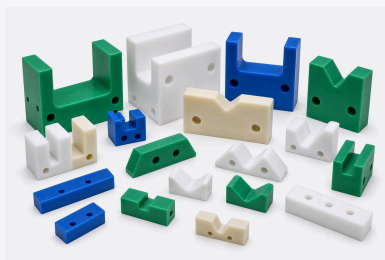
Bunker Liners



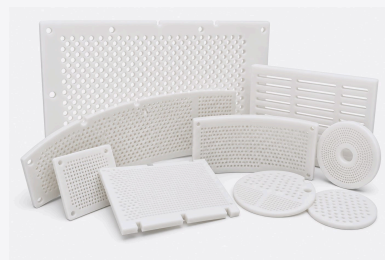
PE / PA Bushings



Bottle Star Wheels



U / V Limit Blocks



Perf. Sheets & Screens

CUSTOMIZATION

Customization Process

Integrated customization for plastic sheets, machined parts, wear parts and equipment fittings, from material selection to batch delivery.



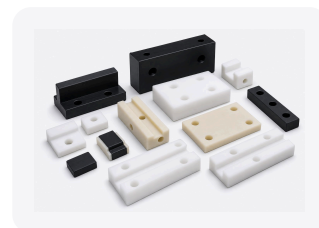
Sheet Series



Rod Stock



CNC Series



Machine Sliders



Boom Sliders



Chain Guides



Outrigger Pads



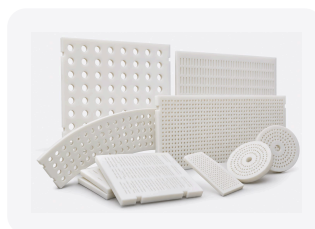
Fender Panels



Liners & Road Mats



Heavy Bed Plates



Perf. Sheets



U-Liners

01

Drawings, samples or work conditions

02

Confirm material, size, color, qty & use

03

Machining advice & delivery plan

04

Sample approval, then batch supply

HONGXI NEW MATERIAL

Engineering plastics solutions · Custom mfg. · Stable supply

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