

PRODUCT CATALOGUE

Polymer Sheets & Plates

Ultra-Molecular PE · Polypropylene · Sports PE · HMW PE · HDPE · LDPE

Manufacturer: **Cangzhou Mingzhu Plastic Co., Ltd**

High-performance polymer sheet materials for industry, construction, sports, food processing and engineering.
All sheets available in custom sizes and colours.

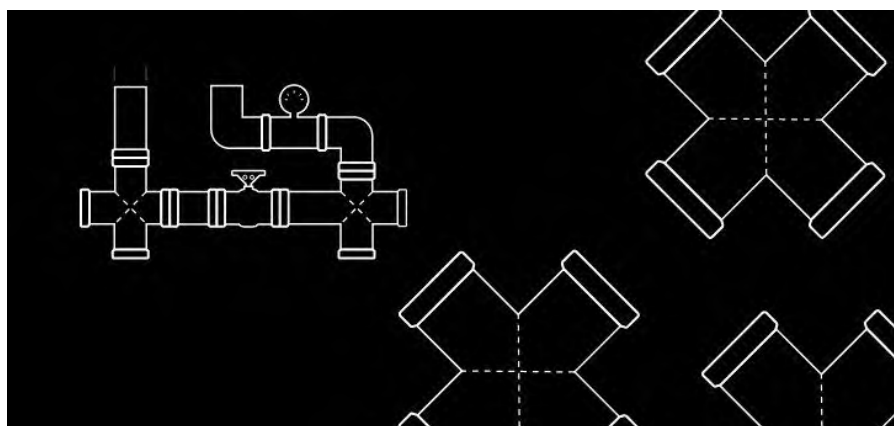
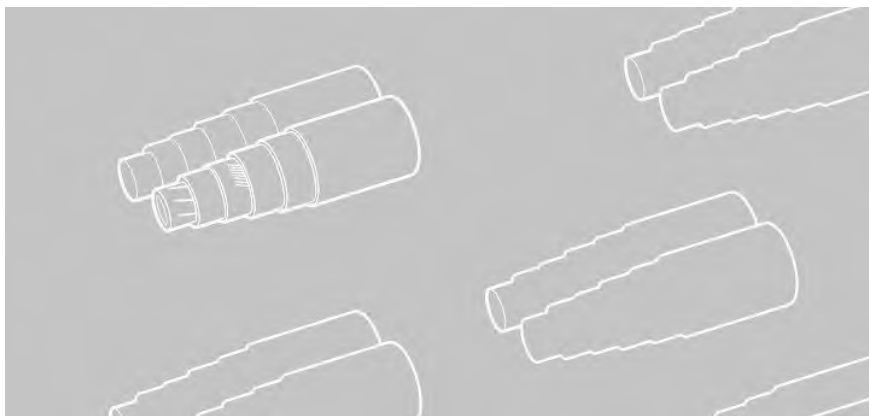
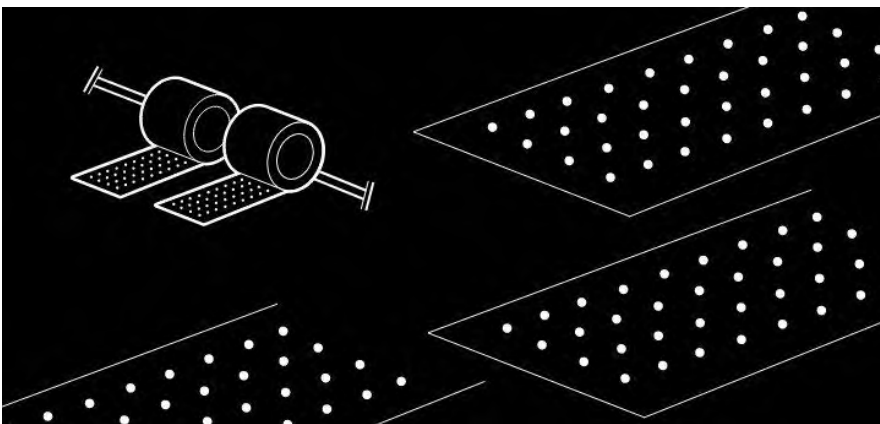


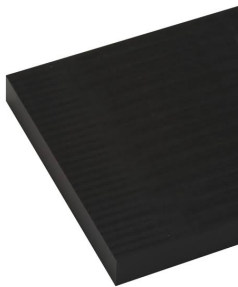
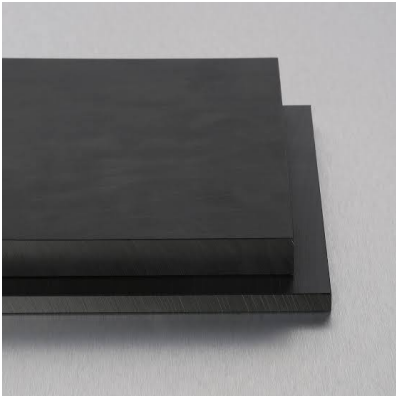
Table of Contents

1	Ultra-Molecular Polyethylene PE-1000 Extruded & Pressed Sheets
2	Polypropylene Sheets Block Copolymer (PP-B) & Homopolymer (PP-H)
3	Polyethylene Sheets for Sports Grounds Ice Rinks, Hockey Boards, Sports Floors
4	High Molecular Weight Polyethylene PE-500 Extruded & Cast Sheets
5	Low-Pressure Polyethylene Sheets (HDPE) High Density PE
6	High-Pressure Polyethylene Sheets (LDPE) Low Density PE

Ultra-Molecular Polyethylene PE-1000

Manufacturer: Cangzhou Mingzhu Plastic Co., Ltd

Ultra-high-molecular-weight polyethylene (PE-1000) is a thermoplastic with exceptionally long parallel molecular chains giving outstanding stiffness, impact resistance and very low friction. It resists abrasion, moisture, UV radiation and most chemicals. Available by extrusion or pressing.



Extruded Sheets

Thick. (mm)	Size (mm)	Weight (kg)	Colour	Model
5	1000×2000	10.0	Natural	P1ES05100200N
6	1000×2000	11.7	Natural	P1ES06100200N
8	1000×2000	16.0	Natural	P1ES08100200N
10	1000×2000	19.5	Black	P1ES10100200B
10	1000×2000	20.0	Natural	P1ES10100200N
12	1000×2000	23.0	Natural	P1ES12100200N
15	1000×2000	32.8	Natural	P1ES15100200N
20	1000×2000	42.0	Black	P1ES20100200B
30	1000×2000	60.5	Natural	P1ES30100200N

Thick. (mm)	Size (mm)	Weight (kg)	Colour	Model
40	1000×2000	81.0	Natural	P1ES40100200N
50	1000×2000	101.0	Natural	P1ES50100200N
20	300×200	1.15	Natural	P1ES20030020N
20	240×290	1.12	Natural	P1ES20024029N
5	450×3500	7.3	Natural	P1ES05045350N
10	450×3500	14.6	Natural	P1ES10045350N

Pressed Sheets

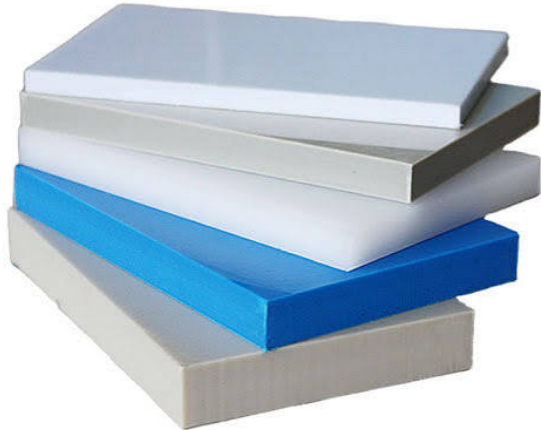
Thick. (mm)	Size (mm)	Weight (kg)	Colour	Model
3	1000×2000	5.64	Natural	P1PS03100200N
4	1000×2000	8.74	Natural	P1PS04100200N
5	1000×2000	9.48	Natural	P1PS05100200N
6	1000×2000	11.28	Natural	P1PS06100200N
8	1000×2000	15.04	Natural	P1PS08100200N
10	1000×2000	18.80	Natural	P1PS10100200N
15	1000×2000	30.00	Natural	P1PS15100200N
20	1000×2000	41.0	Natural	P1PS20100200N
30	1000×2000	59.20	Black	P1PS30100200B

Key Properties

✓ High stiffness & impact resistance	✓ Low coefficient of friction
✓ Excellent abrasion resistance	✓ Chemical resistance (most media)
✓ Low moisture / gas permeability	✓ Frost-resistant to −150 °C
✓ Food-contact compliant grades available	✓ Non-toxic, UV stabilised

Polypropylene Sheets

Manufacturer: Cangzhou Mingzhu Plastic Co., Ltd



Block Copolymer (PP-B)

PP block-copolymer combines good rigidity with excellent impact strength even at low temperatures (down to -30 °C without additives, -40 °C with additives). Resistant to moisture, dilute acids and alkalis. Can be welded. Available in natural, black and various colours.

Thickness (mm)	Size (mm)	Weight (kg)	Colour
2	1500×3000	8.28	Natural
3	1500×3000	12.42	Black
3	1500×3000	12.42	Natural
4	1500×3000	16.56	Various
5	1500×3000	20.72	Various
6	1500×3000	24.84	Various

Homopolymer (PP-H)

PP homopolymer offers high stiffness, hardness and heat resistance. Widely used in chemical, construction and food industries. Accounts for up to two-thirds of worldwide polypropylene use.

Thickness (mm)	Size (mm)	Weight (kg)	Colour
3	1500×3000	12.82	Black
4	1500×3000	17.1	With film
5	1500×3000	21.38	With film
6	1500×3000	25.65	With film

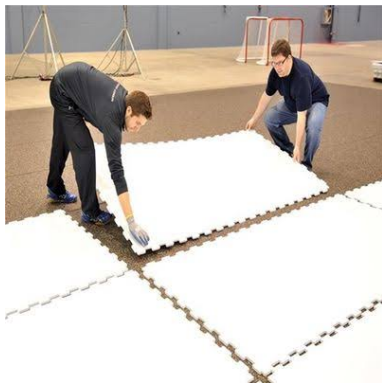
Key Properties

✓ Good rigidity & impact strength	✓ Moisture & chemical resistance
✓ Weldable material	✓ Wide colour range available
✓ Low temperature performance to −40 °C	✓ Food contact grades available
✓ UV stabilised versions available	✓ Suitable for chemical & construction industries

Polyethylene Sheets for Sports Grounds

Manufacturer: Cangzhou Mingzhu Plastic Co., Ltd

Heavy-duty PE sheets engineered for artificial ice rinks, hockey boards, sports floor linings and spectator seating. Supplied in natural, yellow and blue finishes for easy lane or zone marking.



Available Sizes & Specifications

Thickness (mm)	Size (mm)	Weight (kg)	Colour
8	1250×2000	19.4	Natural
8	1250×2000	19.4	Yellow
8	1250×2020	19.59	Natural
8	1250×2020	19.59	Yellow
8	1250×2500	24.25	Yellow
10	1250×2000	24.25	Blue
10	1250×2000	24.25	Yellow
10	1250×2020	24.49	Blue
10	1250×2500	30.31	Yellow

Thickness (mm)	Size (mm)	Weight (kg)	Colour
10	1250×2500	30.31	Natural

Key Properties & Applications

✓ Artificial ice rink surfaces	✓ Hockey boards & rink barriers
✓ Sports floor linings	✓ Spectator seating
✓ Interlocking panel system available	✓ Natural, yellow & blue colours
✓ Excellent wear & UV resistance	✓ Easy installation & maintenance

High Molecular Weight Polyethylene PE-500

Manufacturer: Cangzhou Mingzhu Plastic Co., Ltd

PE-500 (HMW-PE) brings together high density, outstanding toughness and dielectric properties. Used in space, defence, machine-building and sports infrastructure. Available by extrusion and casting.



Extruded Sheets

Thickness (mm)	Size (mm)	Weight (kg)	Colour
4	1000×3000	17.46	Natural
5	1000×3000	21.83	Natural
6	1000×3000	25.11	Natural
8	1000×3000	34.56	Natural
10	1000×2000	19.2	Natural
10	1000×2000	20.0	Black
15	1000×2000	28.00	Natural
15	1000×2000	28.80	Natural
15	1000×3000	30.80	Natural

Thickness (mm)	Size (mm)	Weight (kg)	Colour
20	1000×2000	38.40	Natural

Cast Sheets

Thickness (mm)	Size (mm)	Weight (kg)	Colour
3	1500×3000	12.83	Natural
3	1500×3000	12.83	Black
12	1000×3000	43.20	Black

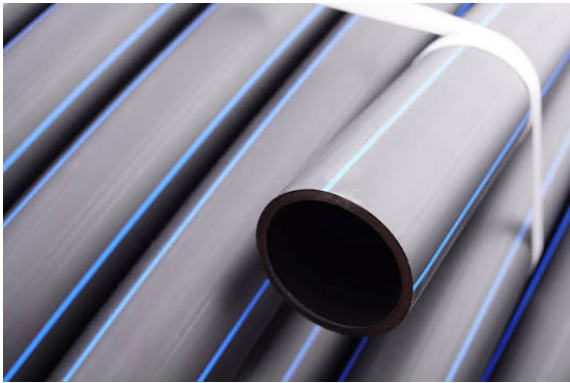
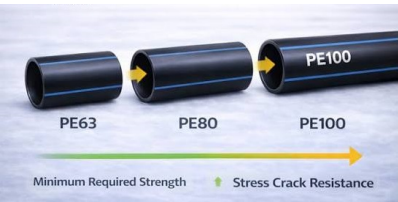
Key Properties

✓ High density & toughness	✓ Excellent dielectric properties
✓ Space & defence applications	✓ Machine-building grade
✓ Sports infrastructure	✓ Wide colour range available
✓ Extrusion & casting processes	✓ Impact & abrasion resistant

Low-Pressure Polyethylene Sheets (HDPE)

Manufacturer: Cangzhou Mingzhu Plastic Co., Ltd

HDPE sheets offer high density, excellent chemical resistance and low moisture absorption. Ideal for tanks, pipelines, liners, cutting surfaces and construction applications. Easily processed by cutting, drilling, laser cutting and hot-gas welding.



Available Sizes & Specifications

Thickness (mm)	Size (mm)	Weight (kg)	Colour
1	1500×3000	4.37	Black
1	1500×3000	4.37	Natural
2	1500×3000	8.73	Natural
3	1500×3000	13.10	Natural
3	2000×3000	17.40	Natural
3	2000×4000	23.28	Natural
4	2000×3000	23.28	Natural
5	1350×1920	12.57	Natural
5	1500×3000	21.83	Black
5	1500×3000	21.83	Natural

Thickness (mm)	Size (mm)	Weight (kg)	Colour
6	1500×3000	26.19	Black
6	1500×3000	26.19	Natural

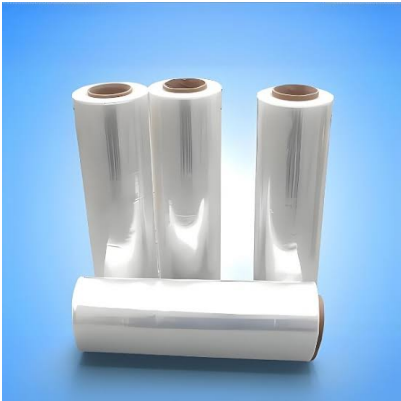
Applications

✓ Chemical & galvanic tanks	✓ Water treatment reservoirs
✓ Gas & water pipelines	✓ Mining equipment linings
✓ Automotive mudguards & fuel tanks	✓ Food processing equipment
✓ Sports facilities (artificial ice)	✓ Road & facade cladding
✓ Marine / shipbuilding	✓ Furniture manufacture

High-Pressure Polyethylene Sheets (LDPE)

Manufacturer: Cangzhou Mingzhu Plastic Co., Ltd

LDPE sheets are produced by extrusion from low-density PE granules. The material is highly flexible, puncture-resistant, anti-corrosive and suitable for waterproofing, geomembranes, mudguards, floor and roof coverings. Can be supplied glossy or matte.



Available Sizes & Specifications

Thickness (mm)	Size (mm)	Weight (kg)	Colour
1	1000×2000	1.94	Natural
2	1000×2000	3.88	Natural
3	1000×2000	5.82	Natural
4	1000×2000	7.76	Natural
5	1000×2000	9.70	Natural

Key Properties & Applications

✓ Highly flexible & puncture-resistant	✓ Anti-corrosive
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✓ Waterproofing & geomembranes	✓ Floor & roof coverings
✓ Glossy or matte surface available	✓ Mudguards & automotive parts
✓ Easy welding with PE rod	✓ Custom sizes & colours available

Contact Us

Manufacturer	Cangzhou Mingzhu Plastic Co., Ltd
Products	Polymer sheets & plates — PE-1000, PP, Sports PE, PE-500, HDPE, LDPE
Custom Orders	Custom sizes, thicknesses and colours available on request

We are happy to supply custom sizes, thicknesses and colours. Please contact our sales team for a quote.