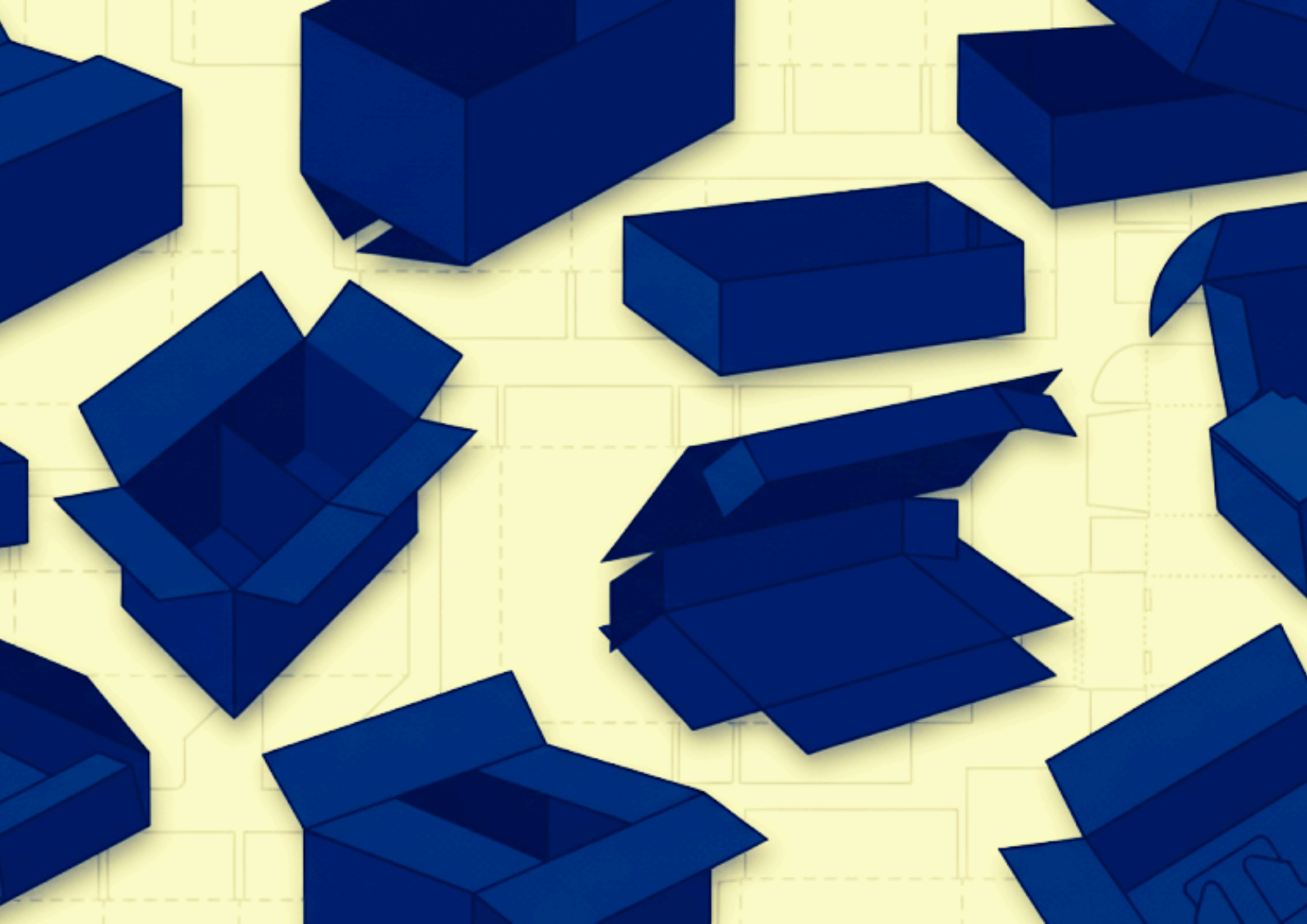




PLASmix
ESTD 1997

PP CORRUGATED SHEETS, BINS & BOXES

Product Catalogue 2026. EDITION 1

Durable. Reusable. Customisable.

Plasmix is a manufacturer of PP corrugated sheets and boxes (returnable packaging) designed for industrial, warehousing, and logistics applications. With in-house manufacturing and a dedicated design team, we develop customised boxes, bins, and packaging systems based on real-world usage requirements. Plasmix manufactures PP corrugated boxes engineered for repeated handling, stacking, and transit.

WHY PP CORRUGATED

PP corrugated sheets are extruded polypropylene panels with a fluted core structure which are designed to deliver high strength-to-weight performance in industrial environments.

They are waterproof, impact-resistant, reusable, and customisable which makes them ideal for returnable packaging, warehousing, and logistics applications.

PP CORRUGATED CHARACTERISTICS:

- ✓ Waterproof and moisture proof
- ✓ Fully customizable (size, thickness, GSM, colour)
- ✓ Multiple reusable cycles
- ✓ Hygienic
- ✓ High strength-to-weight ratio
- ✓ Scalable for bulk industrial production

CARDBOARD CORRUGATED:

- ✗ Moisture failure — absorbs water
- ✗ Mostly single-use
- ✗ Loses compression strength over time
- ✓ Low initial cost for short-one-time shipments

INJECTION MOULDED:

- ✗ High tooling cost
- ✗ Rigid design (limited flexibility)
- ✗ Long manufacturing & lead times
- ✓ Excellent load-bearing strength for fixed designs

PP corrugated offers the best strength-to-cost ratio for returnable industrial packaging.



3 TYPES OF FLUTE

WE OFFER

DIVISION 1 -

NARROW FLUTE VS BROAD FLUTE

NARROW FLUTE



GSM RANGE
270 – 1500



THICKNESS RANGE
2 mm – 5 mm



MAXIMUM WIDTH
Up to 1300 mm



APPLICATION
Printing, packaging, displays,
die-cut products, inner
partitions, light-duty
industrial use.



Key Features:

- High flute density improves surface support
- Ideal for printing & die-cutting precision
- Cost-efficient due to lower GSM
- Better foldability and finishing

H FLUTE SPECIFICATIONS

 THICKNESS (mm)	 MINIMUM GSM	 MAXIMUM GSM	 MAXIMUM WIDTH (mm)
NARROW FLUTE			
2	270	750	1295
3	325	1000	1300
4	550	1200	1300
5	650	1500	1300
BROAD FLUTE			
4	650	1200	1600
5	700	1500	1600
6	1000	1500	1600
7	1300	1800	1600
8	1500	2500	1600

BROAD FLUTE



GSM RANGE
650 – 2500



THICKNESS RANGE
4 mm – 8 mm



MAXIMUM WIDTH
Up to 1600 mm



APPLICATION
Heavy-duty packaging,
layer pads, pallet liners,
shelving, construction
protection, bulk handling.

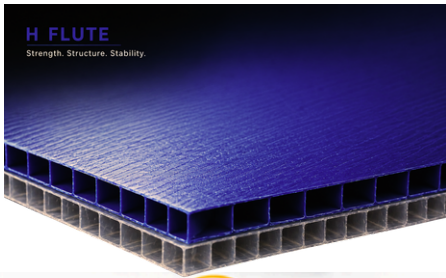


Key Features:

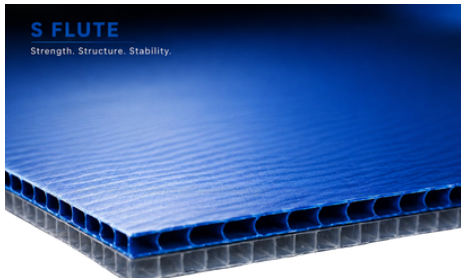
- Higher strength & load-bearing capacity
- Suitable for heavy-duty usage
- Wider sheet format available
- Better stacking performance



H FLUTE VS S FLUTE VS DOUBLE FLUTE



H FLUTE



S FLUTE

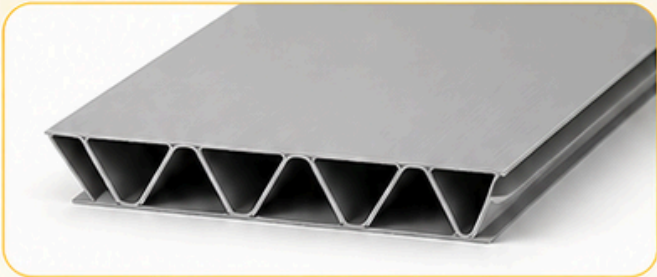


DOUBLE FLUTE

FEATURES	H FLUTE	S FLUTE	DOUBLE FLUTE
 Flute Structure	Straight vertical flute	Sinusoidal (wave-type)	Dual-layer flute structure
 Thickness Range	2 – 8 mm	2 – 8 mm	8 – 11 mm
 GSM Range	270 – 2500	270 – 2500	2200 – 3500
 Maximum Width	Up to 1600 mm	Up to 1600 mm	Up to 1180 mm
 Key Benefits	• High compressive strength • Excellent load distribution • Rigid and durable	• Smooth surface finish • Superior printability • Flexible & lightweight	• Very high strength & stiffness • Impact resistance • Best for heavy-duty use
 Best Suited Applications	Packaging, layer pads, industrial applications	Printing, advertising, displays, signage, POP/POS	Heavy-duty packaging, bulk handling, returnable systems

WE ALSO DO V FLUTE. IT HAS SPECIFIC USE CASES

- ✓ Angular flute geometry providing enhanced rigidity with reduced material deformation.
- ✓ Thickness Range: 5 – 8 mm | GSM Range: 1500 – 2500
- ✓ Suitable for applications requiring high stiffness with moderate weight optimisation.



WATER & CHEMICAL
RESISTANT



LIGHTWEIGHT
& DURABLE



100%
RECYCLABLE



COST-EFFECTIVE
& SUSTAINABLE



CUSTOMIZABLE
SOLUTIONS

PP CORRUGATED APPLICATIONS ACROSS INDUSTRIES

VERSATILE. DURABLE. RELIABLE.

1



ADVERTISING & PRINTING

- High surface energy (with corona treatment) ensures strong ink adhesion for UV, screen, and digital printing.
- Moisture resistance prevents warping, enabling consistent outdoor signage performance.



2



RACKING & SHELVING

- High strength and load distribution capability make for shelf lining and bin partitioning.
- Long-term durability in warehouse and industrial storage environments.



3



PACKAGING

- Impact resistance and cushioning due to hollow flute structure reduce product damage during transit.
- Reusable and lightweight alternative to corrugated paper, offering higher lifecycle cost efficiency.



4



PP LAYER PADS

- High compressive strength enables effective load separation and stacking stability in palletized systems.



5



SEPARATORS

- Custom die-cut capability allows exact fitment for part segregation.



6

CONSTRUCTION (FLOOR PROTECTION & TEMPORARY WALLS)

- Protect flooring from mechanical damage and debris.
- Water and chemical resistance enable use in harsh site conditions for temporary partitions and coverings.



7



FLEXI TANKS & CONTAINER LINERS

- Provides structural reinforcement by acting as a rigid outer wall, preventing bulging of liners during liquid transport.
- High rigidity and durability ensure safe and efficient transportation.



