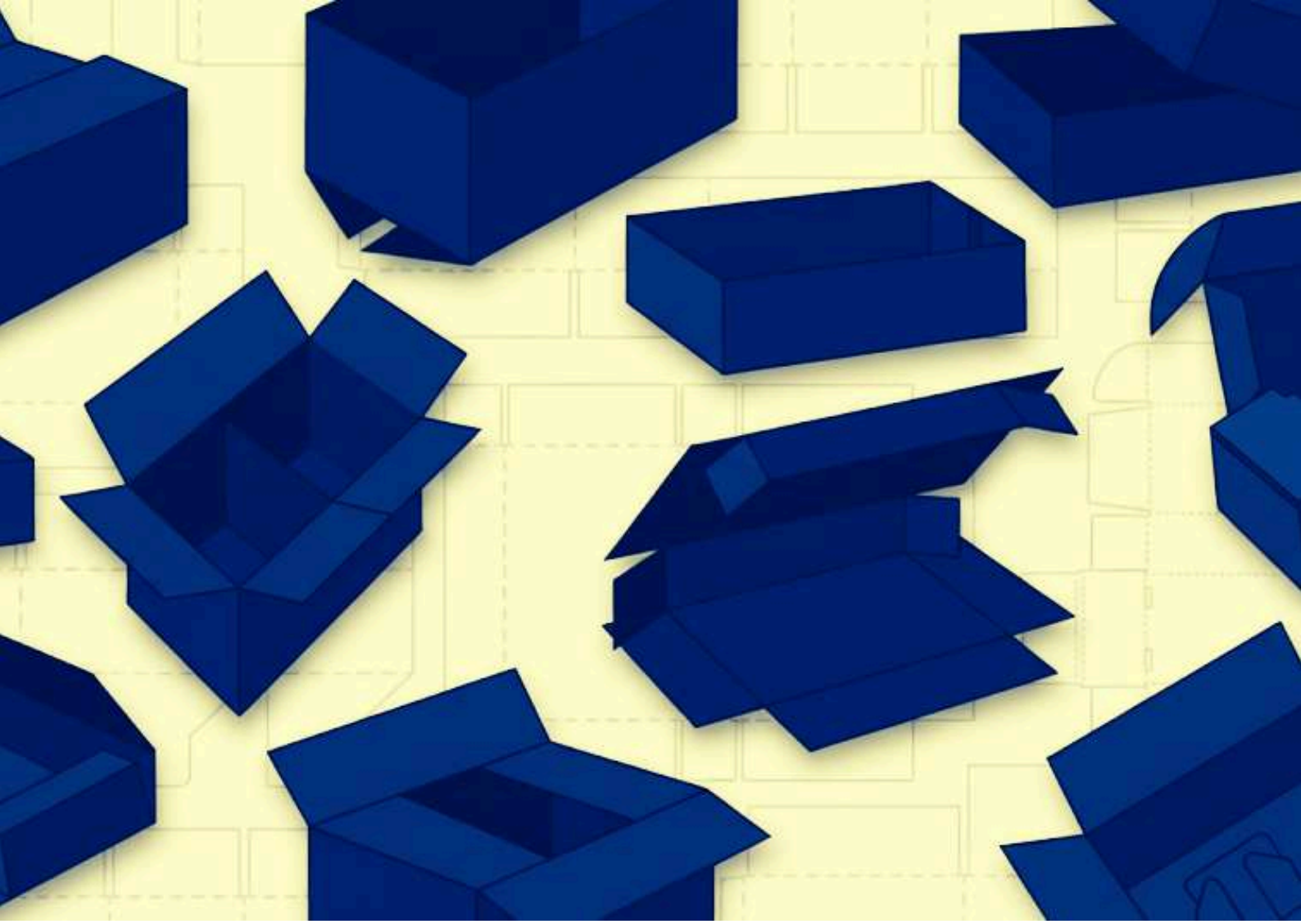


PLASMIX

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.

Contact: Sales: +91-95137 34806 · Email: pkg@plasmix.in · Bengaluru – Peenya, Doddbalapur

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

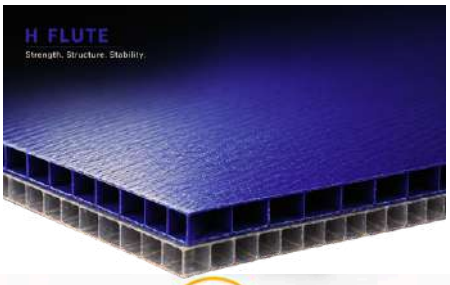
APPLICATION
Heavy-duty packaging, layer pads, pallet liners, shelving, construction protection, bulk handling.

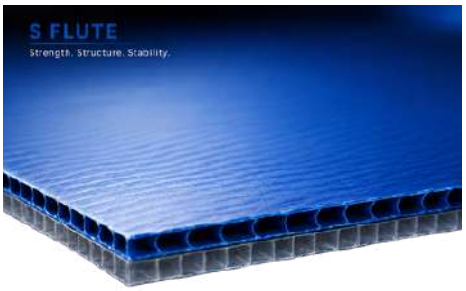


Key Features:

- 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

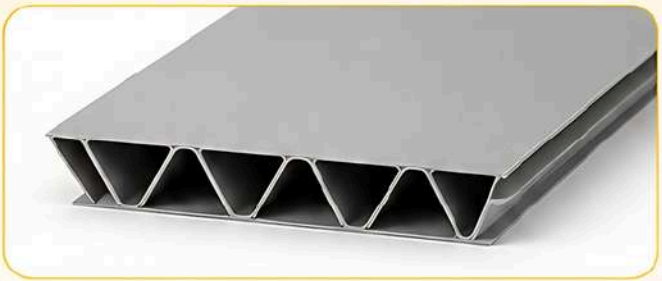
S FLUTE

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.



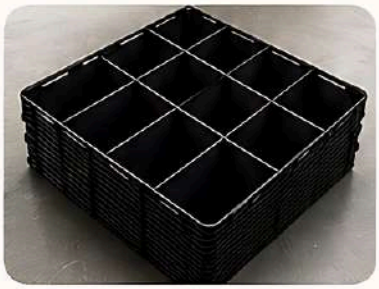
4 PP LAYER PADS

- 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.





MAKE OF THE BOX: CONSTRUCTION PARAMETERS

Design & Material Specs

SIZE:

- Fully custom-built
- LengthxWidthxHeight as per application
- Optimised for stacking, racking & palletisation

GSM RANGE:

- 260 GSM to 3300 GSM+
- Higher GSM = more rigidity & impact protection
- Balanced strength-to-weight ratio

THICKNESS:

- 1.8 mm to 12 mm
- Broad flute options for heavy-duty loads
- Selected based on load & usage



STANDARD COLOUR OPTIONS

Blue	White	Red	Yellow	Grey	Pink	Teal
2184C	*RAL 9003*	*199C*	*Yellow C*	*423C*	*2038C*	*2400C*

Custom colour matching available for bulk industrial volumes

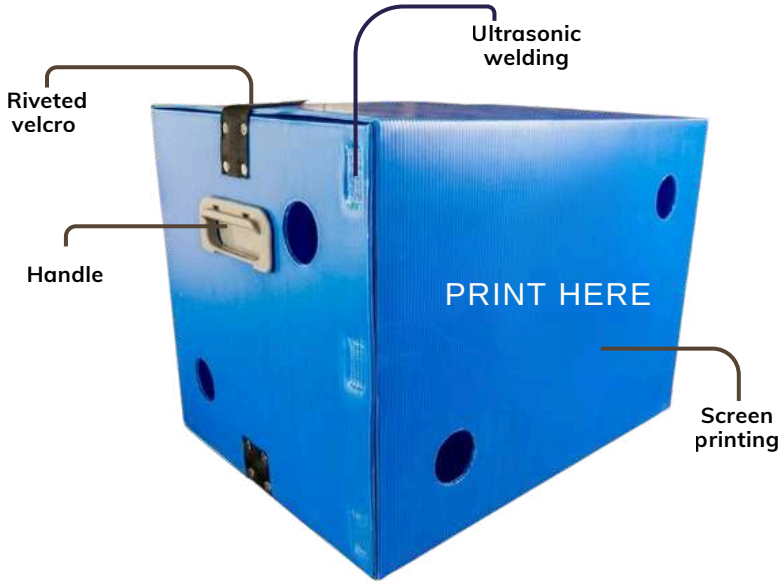
DESIGN WORKFLOW

Application → Load Analysis → Structural Design → Prototype → Field Testing → Production

Construction & Functional

JOINING & ASSEMBLY:

- Heat-sealing welding
- Ultrasonic welding
- Riveting / Stapling
- Riveted velcro / self-adhesive velcro

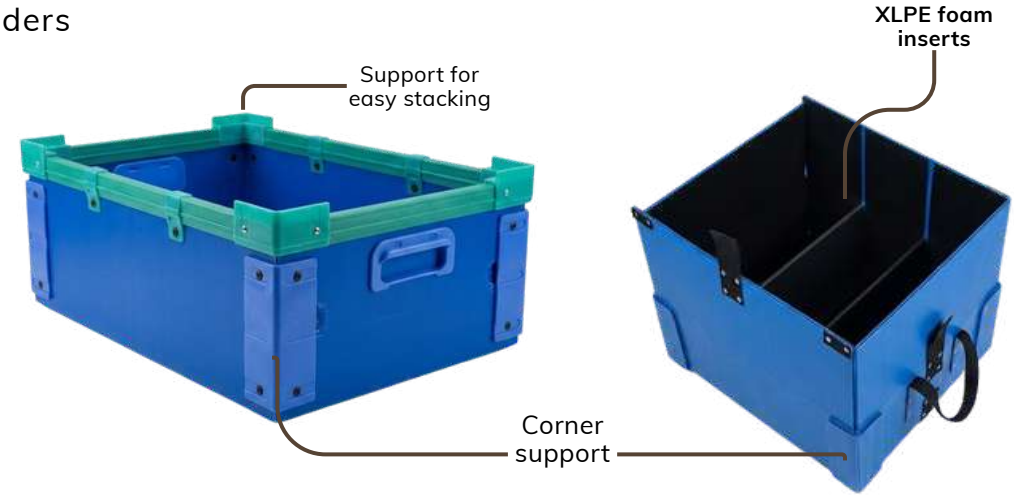


PRINTING / IDENTIFICATION :

- Screen printing
- Labels, barcodes, card holders
- Stickering

REINFORCEMENTS:

- Corner supports
- EPE / XLPE foam inserts
- Double-layer panels



APPLICATIONS

Warehousing 01

- High stacking and compression strength
- Space-efficient and rack-compatible



LOGISTICS 02

- Impact-resistant construction
- Designed for repetitive handling cycles



GENERAL USES 03

- Fully custom sizes and configurations
- Suitable for institutional and commercial use



WAREHOUSING SOLUTIONS

DISPOSABLE PACKAGING ✦ DURABLE SOLUTIONS





PP corrugated material thrives in industrial warehousing environments as designs are optimised based on load carrying capacity, handling frequency, storage duration, and space utilisation. Following are the few of popular bin designs used in warehousing:



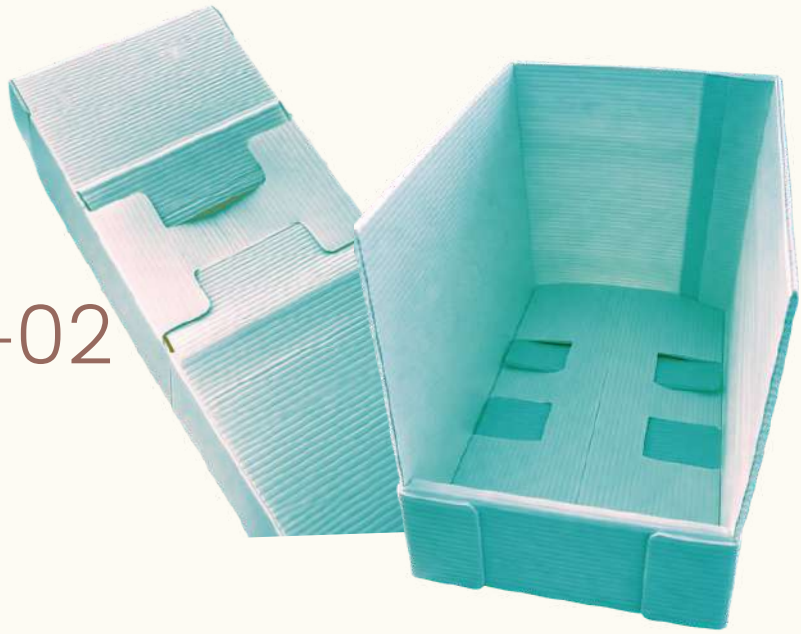
OPEN BOTTOM BOXES

- Universal Bottom (Tape Joint)
- Self-Interlocking Bottom (No Tape)

01

Universal Bottom (Tape Joint)

- Cost-efficient for standard warehousing
- Bottom joined using tape



Self-Interlocking Bottom

- Tool-less, tape-free construction.
- Faster on-site assembly and repeated reuse

02





Velcro - Reinforcement

- Strengthens box structure for heavy-duty storage.
- Enables fast, secure closure for safer handling.

03



DRAWER BINS

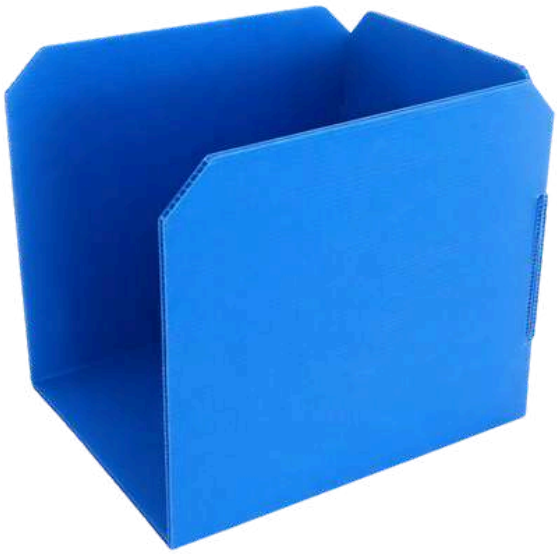
04

- Smooth sliding for frequent access
- Non-collapsible
- Higher front wall to prevent fallout of material

Library Bins

- Collapsible - less freight incurred
- Ideal for light-part storage
- Front access opening for easy identification

05





PANDA/FUNGIBLE BINS

06

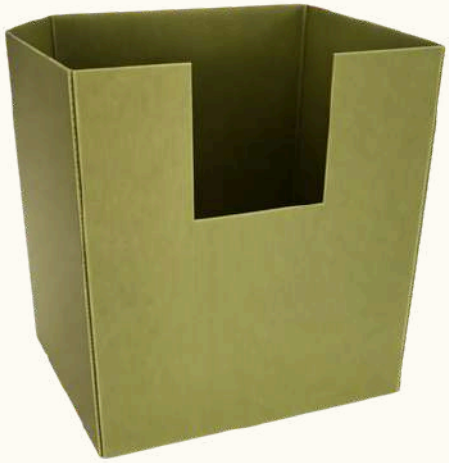
- Suitable for multi-SKUs
- Easy identification and material flow management
- Non-collapsible

RACK DIVIDERS

- Custom-fit for warehouse racking systems
- Improves SKU segregation and picking efficiency
- Cost-friendly

07





08

PALLET DIVIDERS & GAYLORD BINS

- Designed for bulk storage and movement
- Compatible with palletised handling

TROLLEY BINS

- Warehouse movement using trolleys
- Lightweight for ease of manual movement

09





10

COLD-STORAGE WAREHOUSING BINS

- Material selection optimised for low-temperature environments
- Reduced brittleness and enhanced joint strength

Front - Double wall bins

- Front double-wall construction prevents tearing when boxes are pushed or pulled from racks.

11





12

Stackable bins

- Maximizes warehouse space by enabling safe and efficient vertical stacking.
- Improves inventory organization for faster picking, handling, and order fulfillment.

LOGISTICS BOXES

Manufactured using box-grade PP corrugated sheets engineered for high strength, durability, and repeated reuse in returnable packaging systems. With a preferred GSM range of 800–2500, these boxes deliver consistent structural stability and performance, significantly outperforming cardboard in logistics applications.



01

Universal Boxes

- Standardised construction for multi-use logistics applications. (To be joined via tape.)
- Optimised strength-to-weight ratio for manual handling

Velcro-locked box

- 3 or 4 point Velcro closure ensures uniform load distribution.
- Eliminates single-use tape, enabling repeated opening and closing.

02





03

Self-interlocking box

- Tool-less interlocking base eliminates adhesives and consumables
- Lesser load carrying capacity compared to above two.

BOXES WITH CORNER SUPPORTS

- Integrated corner reinforcements improve vertical load-bearing capacity
- Prevents wall buckling during multi-layer stacking

04





05

HEAVY-DUTY FOAM-LINED BOXES

- Internal foam cushioning provides shock and vibration absorption
- Foam selection tailored to product fragility and impact resistance

LOGISTICS TRAYS (STACKABLE)

- Stackable open-tray design enables dense vertical stacking
- Optimised for transportation of rigid containers (such as paint boxes)

06





07

NON-COLLAPSIBLE STACKING BOXES

- Rigid fixed-wall construction for permanent shape retention
- Designed for high stacking heights without deformation

Electrostatic Discharge Safe Packaging

- Manufactured using conductive / dissipative PP corrugated material
- Prevents static charge build up - protecting sensitive electronic and electrical components

08



GENERAL & MISCELLANEOUS BOXES

Plasmix developed designs for non-standard storage, handling, protection, and segregation requirements. These designs focus on functionality, addressing niche operational needs across industrial and public-use environments.



01

TAB LOCK ROLL END BOX

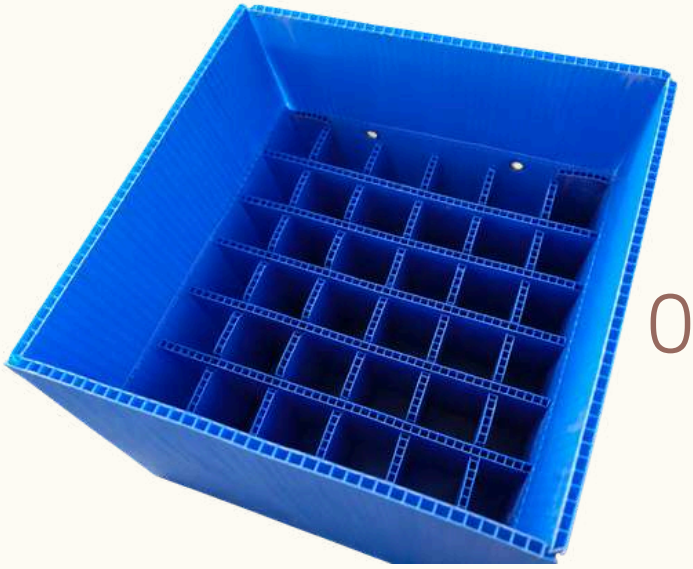
- Roll-end construction with tab-lock closure for tool-less assembly
- Provides improved edge strength and secure closure without adhesives



02

INDUSTRIAL PART PROTECTOR BIN

- Designed to protect components from impact and abrasion.
- Custom internal dimensions to suit part geometry.



03

PP SEPARATORS WITHIN BOXES

- Internal separators designed for organised multi-SKU packing and
- Reduces product movement and transit damage



04

ELECTRICAL COMPARTMENT HANDLER (PARTITION SYSTEM)

- Custom PP corrugated partitions for safe segregation of electrical components
- Prevents contact damage during handling, storage and transit

05

Documents Holder

- Made from high-quality PP corrugated sheet for durability and moisture resistance.
- Secure flap-lock design with reinforced edges for safe document storage.
- Reusable, lightweight & customizable, ideal for organized office and industrial use.



Disposable Rat Trap Safety Box

- Enclosed Hygienic Design – Houses sticky rat traps securely inside, preventing direct contact and maintaining sanitation.
- Safe & Protective – Prevents accidental stepping or human disturbance when traps are placed in open areas.
- Easy Disposal – Entire box can be discarded after use, ensuring safe and contamination-free waste handling.

06





05

LAYER PAD

- Flat PP corrugated sheets used to separate layers of products during stacking.
- Improves load distribution and surface protection

PALLET SLEEVE SYSTEM

- Collapsible, reusable bulk packaging solution for storage
- It consists of a pallet base, foldable sleeve, and top lid for maximum protection.
- Designed to save up to 70–80% space when empty as it collapses
- Offers high load capacity, durability, and stackability for industrial use.
- Ideal for automotive, FMCG, electronics, and manufacturing industries.

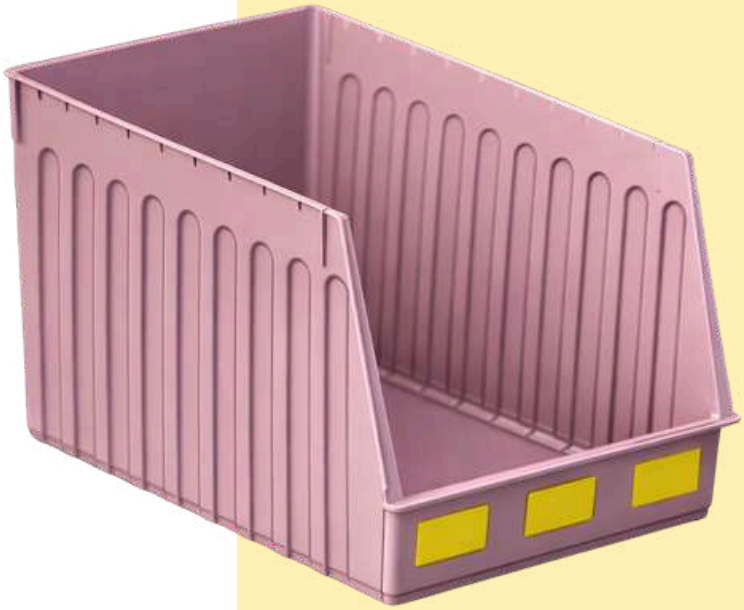
06



INJECTION MOULDED BINS:

CARGO VAULT

Dimensions	600 × 420 × 350 mm
Wall Thickness	2 mm
Bin Weight	1450 grams
Material	Polypropylene



RETAIL VAULT

Dimensions	600 × 250 × 350 mm
Wall Thickness	2 mm
Bin Weight	1140 grams
Material	Polypropylene



MICRO VAULT

Dimensions	600 × 210 × 200 mm
Wall Thickness	2 mm
Bin Weight	810 grams
Material	Polypropylene





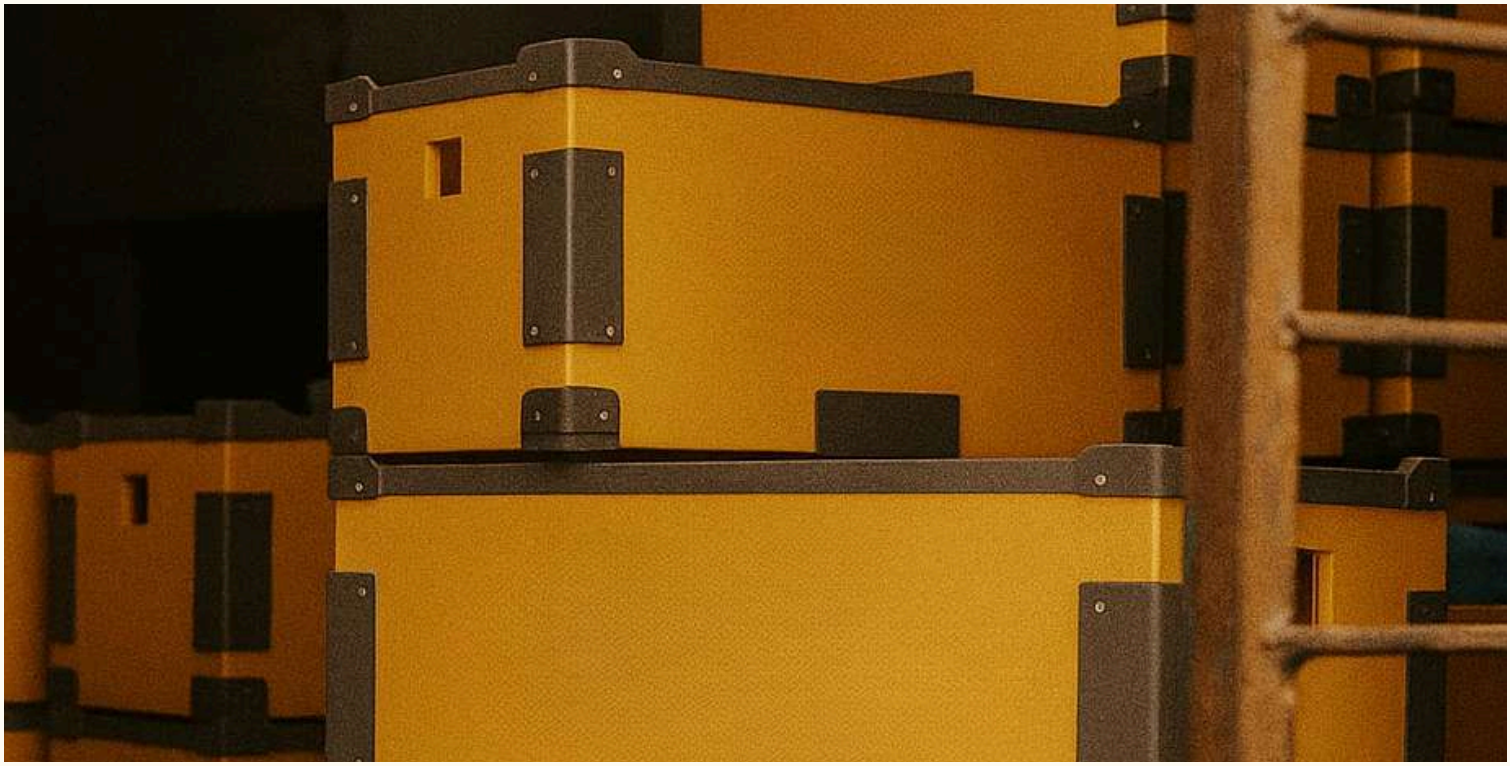



ANTI FADE
SUPERIOR WASHABILITY
4 YRS CO WARRANTY


SVP - 378 - Cetrelizine Syrup










HINDUJA GROUP



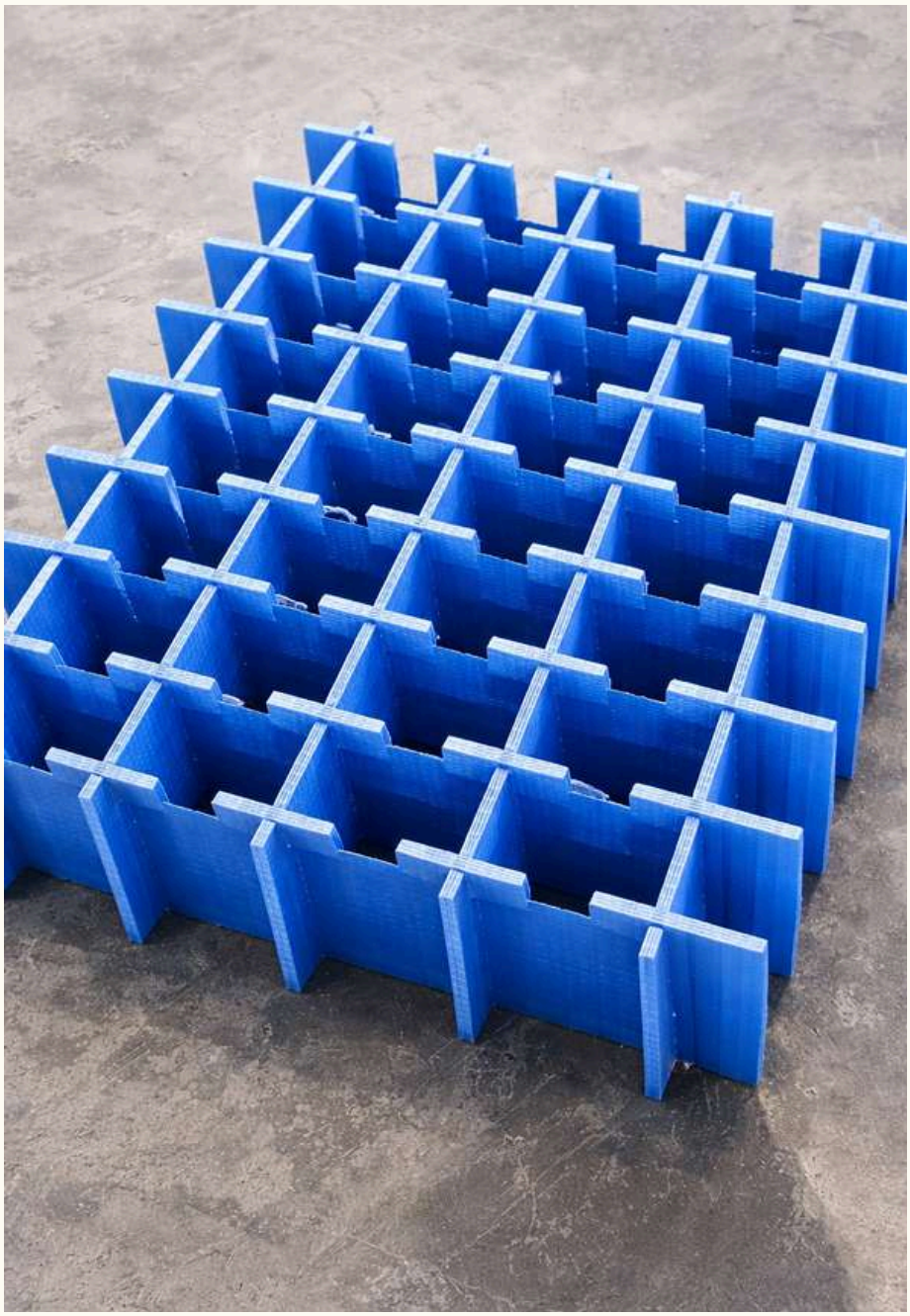








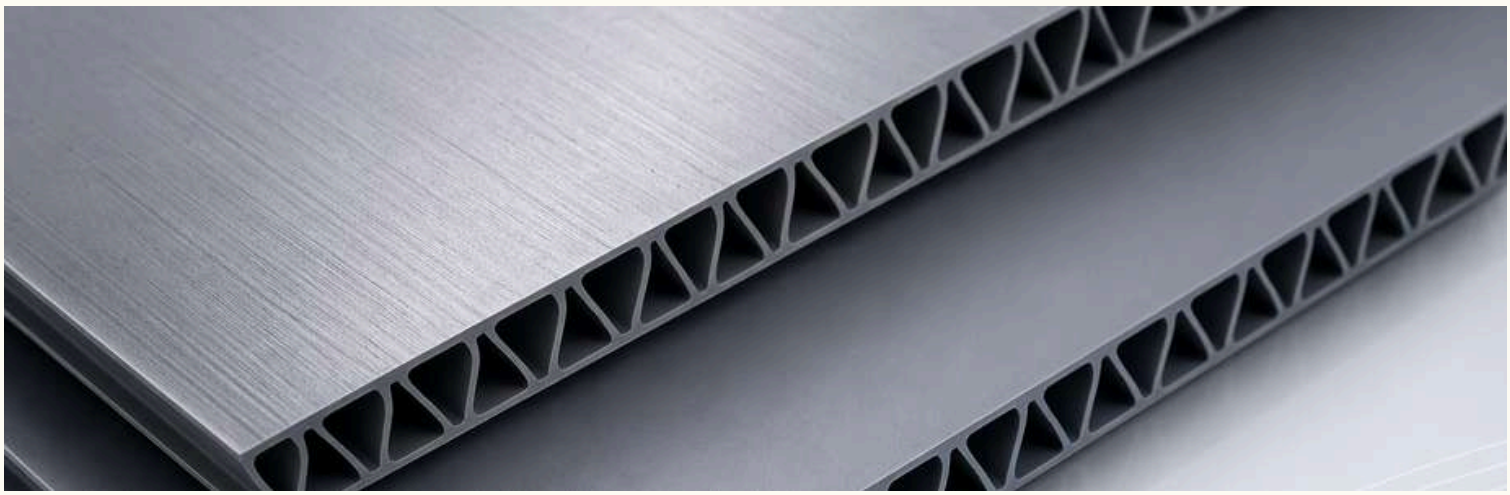















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PP CORRUGATED SOLUTIONS



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