

**Your Trusted Source**  
for Industrial Plastics

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**Chennai  
Polyplast**



## **Chennai Polyplast**

Stockists of premium industrial plastics,  
delivering the right material, at the right time,  
with uncompromised quality.

## ABOUT US

For over 25 years of experience, Chennai Polyplast has been a dependable partner in the industrial plastics marketplace, specialising as a premium stockist of quality plastics and engineered polymer solutions. Based in Chennai, we bridge manufacturers and end-users by maintaining a wide inventory of industrial-grade plastics ready for rapid dispatch, enabling manufacturers, fabricators and engineering operations to move fast and avoid production delays.

### Our role as a stockist allows us to:

- Offer broad product availability from multiple trusted brands.
- Deliver just-in-time stock so you can keep your operations lean.
- Provide material expertise and help you select the right polymer for your application.

With our deep market knowledge, regional reach, and decades of experience, Chennai Polyplast supports the manufacturing, processing and assembly industries with the plastics they need, reliably, efficiently and cost-effectively.



## OUR MISSION

- To maintain a comprehensive and diverse portfolio of engineering and industrial plastics from best-in-class brands.
- To deliver accurate, timely, and efficient supply-chain support so our clients never face downtime for material shortages.
- To act as a consultative partner, helping you choose the right material grade, size and delivery format for your production.
- To build long-term relationships with manufacturers, fabricators and end-users based on reliability, integrity and responsive service.

## OUR VISION

To be the preferred plastics inventory partner for the Indian industrial sector, an organisation trusted for stock availability, expert guidance and rapid supply so our customers always have the material they need when they need it.

## OUR GOALS

- Expand our product catalogue continually, keeping pace with emerging polymers and new material grades.
- Keep our stock inventory fresh and regionally optimised, so lead-times are reduced and availability maximised.
- Provide value-added services such as material recommendations, sizing conversions and batch tracking.
- Position ourselves as the logistics-efficient stockist of choice for Chennai, Tamil Nadu and South India.
- Strengthen partnerships with both international polymer suppliers and local fabrication houses to maintain a win-win supply ecosystem.

## INDUSTRIES WE SERVE

At Chennai Polyplast, our focus is strongly industry-centric. We serve a wide array of sectors, supplying plastics that meet the demanding requirements of each application. Among them:

**Automotive & Components** – plastic rods, sheets and sections for machine parts, fixtures, jigs, mould-inserts and fabrication.

**Electrical & Electronics** – insulating plastics, polymer sheets for PCB supports, cable ducts, panel fabrication and other critical components.

**Chemical & Process Industries** – materials resistant to aggressive chemicals, high temperatures, abrasion – for use in valves, fixtures, linings and supports.

**FMCG & Packaging** – plastic sheets, rolls and parts used in the support-frames of packaging machines, conveyors, storage systems.

**Textile Manufacturing** – plastics for machine parts, bearings, scrapers, guides and other wear-parts in textile production lines.

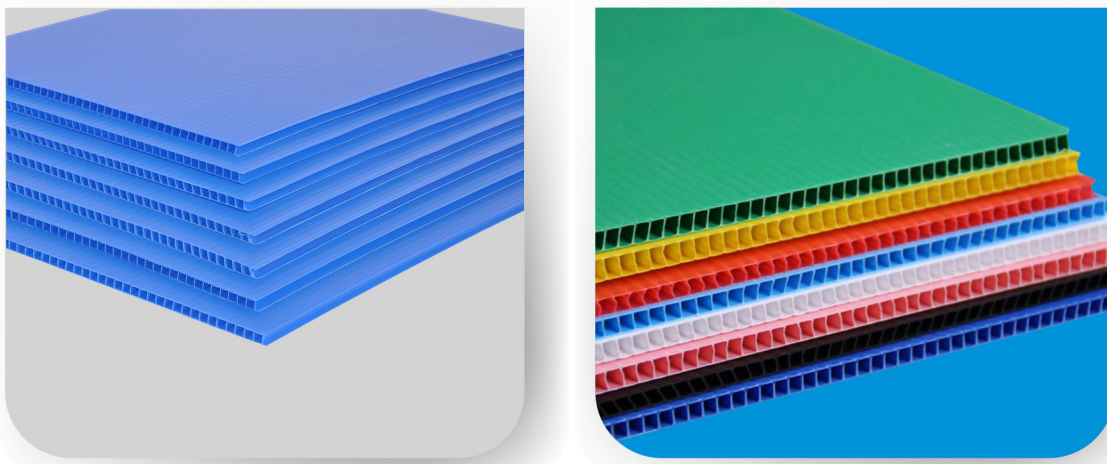
**Agriculture & Horticulture** – plastic components for drip-irrigation systems, greenhouse frames, component brackets, protective structures.

**Construction & Infrastructure** – robust sheets and rods used in form-work, scaffolding supports, structural components, sign-frames and fabrication applications.

**Logistics & Warehousing** – polymer boards, heavy-duty plastic sheets, rollers and guides used in racking systems, conveyor lines, loading docks.

Our extensive industry knowledge means we understand the demanding environments you operate in: high-cycle production, aggressive chemicals, heat, abrasion and precision tolerances. We make sure you get the plastics that match your operational challenge and have them ready when you need them.

# PP CORRUGATED SHEETS (POLYPROPYLENE CORRUGATED SHEETS)



## Product Description

**PP Corrugated Sheets** are lightweight, twin-wall plastic sheets made from polypropylene (PP) resin.

- Structure: fluted (corrugated) middle layer between two flat PP sheets (like cardboard, but plastic).
- Known as: PP Flute Boards, Coroplast / Corflute Sheets, PP Hollow Sheets, Corrugated Plastic Sheets.
- Combines strength, impact resistance, low weight, and durability.

## Key Properties

### Material

- 100% polypropylene copolymer

### Density

- 0.90 – 0.93 g/cm<sup>3</sup> (very lightweight)

### Thickness Range

- 2 – 12 mm (common: 3 mm, 5 mm)

### Colours

- Blue, Grey, Green, White, Yellow, Black  
(custom colors on request)

### Standard Sizes

- 1220 × 1830 mm
- 1300mm - 2000mm
- Custom sizes available

### Surface Finish

- Smooth / matte, printable
- UV-stabilized (optional)

## Mechanical & Physical Properties

- Lightweight yet strong  
(high strength-to-weight ratio)
- Impact & tear resistant
- Waterproof, chemical resistant, corrosion-proof
- Non-toxic & food-safe (FDA grade available)
- Easy to cut, fold, crease & fabricate
- Available in multiple colors
- UV stabilized grades - outdoor use
- ESD / Anti-static grades - electronics packaging

## Advantages of PP Corrugated Sheets

- 100% Recyclable & eco-friendly
- Cost-effective vs. wood, metal & paperboard
- Waterproof & moisture-proof
- Printable (screen, UV, digital printing)
- Lightweight & easy to handle
- Long service life vs. cardboard

## Applications

### Packaging & Boxes

- Reusable corrugated plastic boxes, bins & crates
- Partition sheets & layer pads
- Export packaging (moisture-proof alternative to cardboard)

### Agriculture & Food

- Boxes for fruits, vegetables, fish, poultry
- Greenhouse roofing, partitions

### Construction

- Floor protection sheets
- Temporary wall partitions

### Special Grades

- ESD / Conductive PP Sheets - electronics packaging
- UV Resistant Sheets - outdoor signage & roofing
- Food-Grade Sheets - hygienic, washable packaging

### Industrial & Commercial

- Separator sheets in automotive, electronics, glass, ceramics
- Floor/wall/tile protection during construction
- Layer pads in bottling plants

### Retail & Advertising

- POP (Point-of-Purchase) displays
- Election boards, advertising signboards, shop signage
- Exhibition & promotional displays

## Technical Comparison with Other Materials

Property	PP Corrugated Sheets	Paper Corrugated Board	Acrylic Sheets	Metal Sheets
Weight	Very Light	Light	Heavy	Very Heavy
Water Resistance	Excellent	Poor	Excellent	Excellent
Recyclability	100%	100%	Partial	Yes
Reusability	High	Low (single-use)	Medium	High
Cost	Low-Medium	Low	High	Very High

## Summary

PP Corrugated Sheets are versatile, lightweight, durable plastic boards ideal for packaging, signage, construction protection, and agriculture.

Note: The technical data and values provided in this catalogue are for reference purposes only. Actual performance and specifications may vary depending on processing conditions and application requirements. The company reserves the right to modify data without prior notice.



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