Innovative Plastic Sheet and Box Maker

Polyreflex Hi-Tech Co., Ltd.

Polyreflex team with over 15 year experiences, specializing in the manufacture of lightweight plastic sheets, one-stop solution for thermoforming, machining, and assembly, dedicated to signs and displays, logistics and packaging, vehicles, and chemical industries. Warmly welcome project purchasing managers, wholesalers, individual consumers and designers to write us your requirements.

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Polyreflex

Company profile

∞ Our products → solutions	710 We employ 710 employees	15 More than 15 years technology know-how	100% We are there for you with 100% engagement
6 At 6 locations	89,000 Over 89,000 m2 production area	38 Sell more than 38 countries and regions	60,000 Every year we produce 60,000 tons Polyreflex materials
1 Everything from 1 source			

Polyreflex Polypropylene Corrugated Sheet

Lightweight | Excellent Printing Ability | Recyclable

DESCRIPTION | SPECIFICATIONS | STRUCTURE AND SEALING | PROCESSING TYPES | PHYSICAL PERFORMANCE | USES

Description

Polyreflex polypropylene (PP) corrugated sheet

is made of polypropylene (PP) copolymer, homopolymer resin and some fillers. It is also called twinwall PP panel, fluted polypropylene sheet, corflute sheet or coroplast sheet.

Polypropylene corflute sheet is an extruded corrugated sheet consisting two flat walls connected by vertical ribs, or in the positive structure.

PP corrugated sheet is absolutely harmless and odourless, and moisture resistance & anticorrosion. Its outstanding properties such as strong, lightweight, various colors make it good in packaging, advertising, construction, agriculture and industry uses.

Lightweight
Polypropylene corrugated sheet is made of hollow twin-wall structure, which is lighter in weight and has good strength, makes it more convenient to use.

Excellent Printing Ability
The cross-inserted polypropylene fluted sheet has a flat and UV absorption surface. Suitable for digital UV printing and screen printing.

Recycling
Polyreflex corflute sheet is 100% recyclable. It is made of polypropylene resin materials, and our products have passed Rohs, REACH and heavy metal testing, and are from grade environmentally friendly materials.

Stability
Lightweight polypropylene sheet has the ability to withstand temperature changes, weather resistance and high temperature resistance, can be used in humid environment and outdoors.

Easy Processing
Polypropylene corrugated sheet can be processed, cut, weld, hot stamping, sealing, winding, bending, CNC engraving, and printing.

Specifications

Product Type	Thin	Thick	Standard
Port of Loading	Shenzhen & Shanghai port, China	Shenzhen & Shanghai port, China	Hochiminh & Haiphong port, Vietnam
Thickness	1.5mm - 7.8mm	8mm - 14.5mm	2mm - 12mm
Density	170 - 3000 g/m2	1500 - 6000 g/m2	175 - 3500 g/m2
Width	Max. 2100mm	Max. 2440mm	Max. 2440mm
Rib	Narrow ribs	Narrow ribs	Wide ribs
Surface	Smooth, matt, or very flat		
Color	White, black, grey, red, yellow, green, blue, brown, custom colors are available.		

Structure Type

Wide ribs allow the corflute sheet to have a lower weight, stronger and harder surface, and the larger hollow allows the support rod to be inserted.

Narrow ribs make the thin corflute sheet lighter, stronger and easier to produce.

The cost ribs of the corflute sheet are X-lines. X-corflute sheet is much more strong than those sheets with narrow or wide ribs sheet.

Polyreflex printing-grade corflute sheet has very flat surface and is suitable for printing signs.

Sealing Type

Edge sealing with polypropylene rod

Edge sealing by hot melting

Types of Processing

Die-cutting

Half die-cutting

CNC engraving

Creasing

Edge sealing with polypropylene rod

Ultra-sonic welding

Physical Performance

ESD Anti-static pp corrugated sheet

Conductive pp fluted sheet

V0 grade flame retardant pp corrugated sheet

The Use of Polypropylene Corrugated Sheet

Turnover Box, Unit Packs and Bulk Packs

Polypropylene corrugated sheet is a perfect material for retail and wholesale distribution boxes, suitable for fruits and vegetables, components and parts, beverages and pharmaceuticals.

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Outdoor display and sign board

Polyreflex outdoor corflute sheet is weather-resistant and UV-resistant, suitable for safety signs and traffic signs used outdoors.

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Transport Protective Packaging

Polyreflex fluted sheet as a recyclable material has replaced cardboard and is widely used in the field of logistics protection packaging, such as pads, shelves, dividers and partitions, bottom plates, and cross plates.

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Packaging of electronic products and components

Polyreflex adds conductive or antistatic additives to the standard polypropylene corrugated board to make it conductive or antistatic, so as to better protect the circuit boards and electronic components from current damage.

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Advertising Sign

Corflute sheet is suitable for display stand, promotion advertising, product shelf and plate, billboard, light box, yard sign, exhibition booth, etc.

Construction Use

Polyreflex fire-resistant corrugated sheet is added with flame retardant, thereby improving the flame retardant grade of polypropylene sheet, which can reach UL94 standard V2~V0, makes it suitable for various applications with flame retardant requirements as building materials.

Other Uses of Polypropylene Corrugated Sheet

Divider for document holder and boxes / Plastic bottles recycling bins / Canvas bag lining / Temporary Partitions / Plant guard

List of Test Reports

* Polypropylene Resin EPS30R MSDS Test Report
* Polypropylene Resin EPS30R REACH SVHC Test Report
* Polypropylene Resin EPS30R RoHS Test Report
* Polypropylene Resin EPS30R FDA Test Report
* Polypropylene Resin EPS30R GB9693 -1988 Test Report
* Polypropylene Resin EPS30R PAHs Test Report
* Plastic Corrugated Sheet UL 94 Vertical Burning Test Report

If you would like to discuss your specific product requirements further, please feel free to contact us.

http://www.polyreflex.com/

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