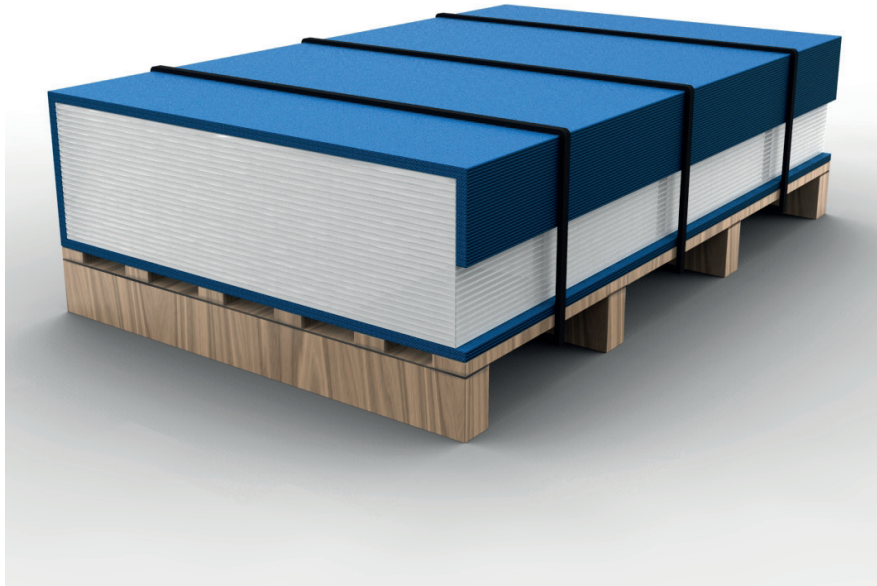


INDUSTRIAL SOLUTIONS

Industrial Packaging

Lightweight protection for metal products, profiles, coils and demanding industrial handling.



A versatile protective material

Röplast manufactures corrugated polypropylene sheets for a wide range of industrial packaging needs. Low weight, impact absorption and resistance to water help protect products without unnecessary packaging mass.

Lightweight

Strong, practical sheets

Reusable

Designed for repeated use

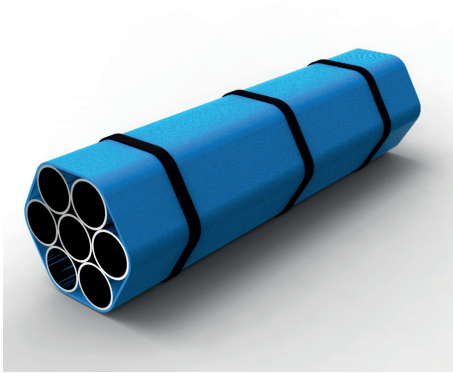
Customisable

Dimensions, shape and print

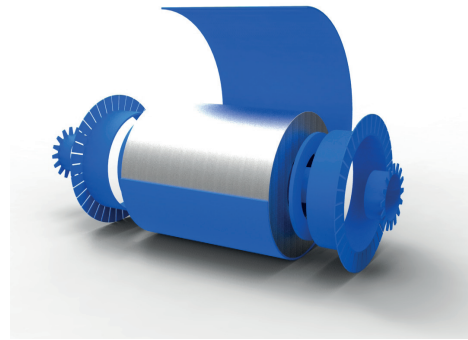
PROTECTION & CONVERTING

Shaped to protect the load

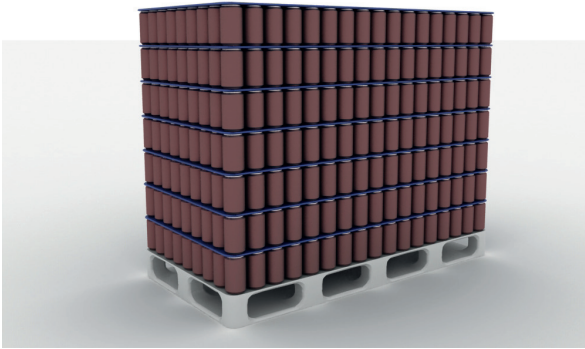
Sheets can be cut, formed and heat-processed into protective packaging suited to industrial working conditions.



Profile packaging



Coil packaging



Beverage packaging



Edge and corner protection

Material advantages

- Light and strong
- Waterproof PP construction
- Printable and customisable
- Reusable and 100% recyclable
- High impact-energy absorption
- Corrosion-resistant material
- 100% polypropylene
- Cleanable surfaces
- Application-specific dimensions
- Easy shaping and converting
- Suitable for repeated handling
- Supports reduced packaging waste

FOLDABLE CONTAINERS

Economic carrying systems

Foldable containers combine a lightweight sleeve with a durable pallet and lid for reusable industrial transport.


Ready for transport

Easy loading access

Compact empty return

The sleeve folds between the top and base during empty returns. Stacking, impact absorption and packaging density can be tailored to the application.

Stackability

Space-saving storage and straightforward handling.

Sheet specification

Thickness and weight selected for loading capacity.

Box height

Adjusted for the required packaging density.

Sealed edges

Welded edges for applications requiring enclosed flutes.

Loading gates

Side access for easier loading and unloading.

Label pockets

Different formats for identification and branding.

Printing

One or more sides, with colour options for sheet and print.

Pads and separators

Layer pads and dividers to separate products.

Custom inserts

Product-specific protective and formed additions.

RETURN LOGISTICS

More efficient empty returns

Foldable systems reduce the space occupied when containers travel or are stored empty.

Up to 80%

less volume when folded

Depending on the container design and return configuration.

Economic

- Lower tare weight than conventional cage boxes.
- High usable volume and efficient space use.
- Reduced storage and return-transport requirements.
- Rental options for different purchasing needs.

Strong

- Weather-resistant material.
- Durable surfaces and a long service life.

Flexible

- Foldable, portable and suitable for block stacking.
- Application-specific thickness and printing.

Safe

- Stable shape and interlocking stacking.
- Mechanical strength and impact protection.
- Separates and protects contents during handling.

Ecological

- Repeated use and easy cleaning.
- Lower empty-return volume.
- Reduced inner-packaging use and waste.
- Recyclable polypropylene components.

Standard dimensions (W × L × H)

80 × 120 × 90 cm | 100 × 120 × 90 cm

Higher thickness and weight options are available for heavy loads. Low-flammability grades may be selected for specific applications, subject to the required specification.

LAYER PADS & SEPARATORS

Plastic Separators

Reusable polypropylene separators protect stacked products and keep loads organised from production to delivery.

Economic

- A long service life and repeated use help reduce transport damage.
- Rigid, durable PP sheets support many transport cycles.
- Rental options provide flexibility for different budgets.
- Designs can be tailored to beverage industry applications.
- Sheet rigidity can reduce the need for additional support parts.
- Colours, dimensions, and edge and corner shapes can be customised.
- Printable surfaces support branding and identification.

Ecological

- Reusable and recyclable PP helps reduce packaging waste.
- Long service life supports more efficient material use.

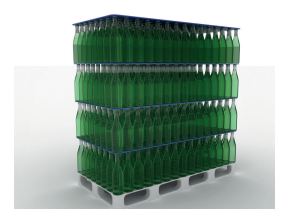
Hygienic

- Easy to clean.
- No contamination from cardboard or wood fibres.



Application areas

- Glass bottle manufacturers
- Can and food-tin manufacturers
- Textiles
- Component manufacturers
- Water producers
- Beverage industry



Sealed-edge technology

Enclosed flute edges support clean handling.

MATERIAL & PRODUCTION

PP sheet specifications

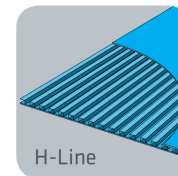
H-Line and S-Line corrugated polypropylene sheets for converting and reusable packaging.

Thickness	Weight per area	Maximum width × length
2 - 10 mm	300 - 3,000 g/m ²	2.1 × 6 m

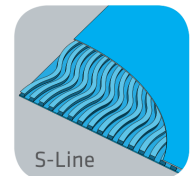
Material	Polypropylene (PP)
Profiles	H-Line and S-Line
Standard colours	Black, white, natural, grey and blue. Custom RAL colours available.
Dimensions	Up to 2,100 × 6,000 mm (width × length)
Recycling	100% recyclable PP; resin identification code 5.
Resistance	Water, oils and petroleum products; good resistance to many mineral and organic acids and solvents.

Optional features

- UV resistance
- Antistatic surface
- Flame-retardant grades
- Microporous surface
- Corona treatment for printing

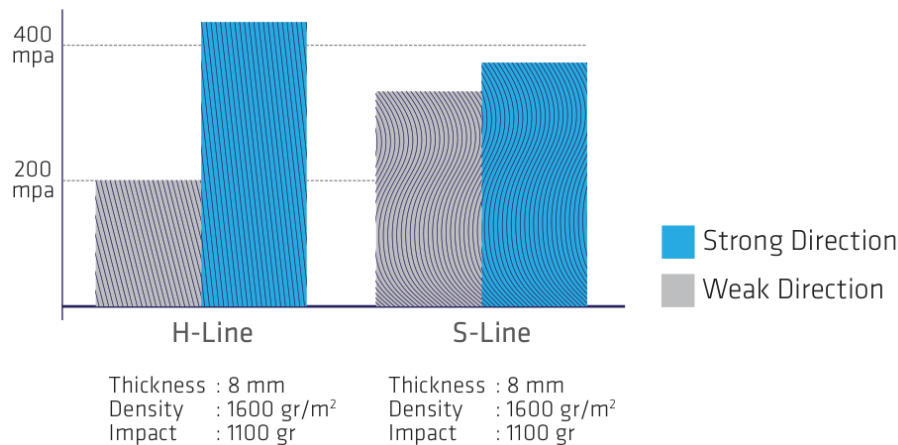


H-Line



S-Line

H-Line / S-Line directional comparison



Reference conditions

8 mm thickness
1,600 g/m² weight
1,100 g impact mass

Indicative comparison. Confirm test method, selected grade and operating conditions for design use.

MATERIAL SELECTION

Compare packaging materials

A practical overview of corrugated polypropylene, corrugated cardboard and injection-moulded plastic.

Consideration	Corrugated PP	Corrugated cardboard	Injection-moulded plastic
Development	Fast, economical converting	Fast, economical setup	Higher tooling investment
Strength	Lightweight; resistant to tearing and puncture	More susceptible to tearing and puncture	Rigid and heavier; may crack under impact
Cleanliness	No paper or wood fibres	May release paper fibres or dust	No paper or wood fibres
Long-term cost	Potential savings through repeated use	Shorter service life and repeated replacement	Potential savings through repeated use
Production lead time	Fast sheet converting	Fast production	Longer setup and tooling lead times
Moisture & chemicals	Water resistance and chemical resistance	May deform when exposed to moisture	Water resistance and chemical resistance
Colour options	Standard and custom colours, including RAL	Commonly white or brown	Options depend on material and production
End of life	Reusable and recyclable	Recoverable fibre-based waste	Reusable and recyclable

Performance, costs and delivery times depend on product design, material grade and operating conditions.

Production in Türkiye

Özer Toprak, Gıda, Plastik, Enerji, İnşaat, Turizm Sanayi ve Ticaret A.Ş.

Organize Sanayi Bölgesi, 3. Cadde No:1, Eskişehir, Türkiye

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