

Ref. R100

Gamme Recycled

Embossing (Top/Underside) All embossings available: please contact us

Aspect (Top/Underside) Aspect linked to embossing: please contact us

Composition

- Polypropylene sheet: made from 100% post-industrial polypropylene waste
- Halogen free, nor aromatic derivatives, nor substances that can damage the ozone layer
- Inert waste, nontoxic and 100% recyclable.
- Combustion does not release toxic substances.
- From one order to another, variation in shade is possible given the recycled nature of the product. Small inclusions may be present in the sheet, visible on the surface or in the mass.

Chemical properties

- Resistant to water, fats, alcohols and detergents.
- Polypropylene may swell when exposed to certain solvents. Priplak®, like other plastics, can be warped by conventional offset inks. If Priplak® is used for offset printing, avoid mineral-based offset inks. Vegetable/soya-based inks or similar are known to be effective; check with your ink supplier. Carry out tests beforehand.

Physical properties

Properties	Unit	Test	Values*	Tolerances
Thickness	µm	ISO 4593	300 to 1500	+0,02mm / -0,03mm
Density White, Black, Natural, Transparent, Colours	g/cm ³ g/cm ³		0,92 0,91	+/- 0,01 g/cm ³

*These values are given as indicative for a standard quality and based on the standards mentioned.

The physical properties of the material will change with the temperature conditions.

Near or below 0°C, the material will become brittle. Therefore, for low temperature applications, please contact us for a specific product.

As a thermoplastic, the material may lose stiffness, with increasing temperatures. It may also swell. These changes are noticeable around 70°C. The Melting point of our product is around 140°C.

Sheets size tolerance

Sheet size: 0/+5mm (machine and cross direction)
option of guillotine trimming

Sheet flatness: 5mm recto/verso

Chevrons patterns may be visible on dark and metallic colors.

Use conditions

- Acclimatization at room temperature 24 to 48h before use
- Do not stack the pallets.

Printing on Priplak®

Printing UV technology

- Priplak® is corona treated on both sides to enable it to be printed in UV offset, UV screen, and UV digital.
- At the time of production, the surface energy is above 46 dynes/cm - but this declines over time. We guarantee a minimum surface tension of 42 dynes for 12 months. We recommend that Priplak® is printed within 6 months from the date of production - for embossed grades, and 3 months for gloss products. (Exact production date is on the label). Keeping the material in its original wrappers and stored in a place without wide variations in temperature - or high humidity is very important. We recommend testing the suitability of the material prior to printing.
- Our products are treated with an antistatic agent to help with feeding and reduce dust.
- Priplak recommends special inks for polypropylene. Details can be obtained from your ink supplier. Preliminary trials/testing are advised.
- In order to protect the print and to prevent ink scratching, we recommend that you apply a protective varnish especially for UV offset.

Other printing technology

Conventional screen (1 pack or 2 packs inks.) Priplak® can be printed with a surface tension below 40 dyne/cm. It is recommended to test before printing.

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Cutting / Creasing on Priplak®

- Priplak recommends converting the material at temperature around 20°C.
- Cutting and creasing are possible on manual and auto-platens, as used in the cardboard industry. Creasing is mainly done "cold", i.e. normal working conditions. It can also be done with heat for high thickness or special cases.
- Use of semi-cutting blades for creasing is not advisable for Priplak® because they may generate an initial tear.
- In any case, the creasing process lengthens the material, and it is necessary to take this into account during the tooling design and manufacture.
- Cutting Priplak® in smaller sizes than delivered, especially A4 size and smaller, can release tension within the sheet, that can cause curl.

Assembling

- Priplak® can be glued, riveted, punched, perforated, sewn, ultrasonic / hot air welded...
- For glueing, we recommend 2 different types:
 - hot melt polyurethane reactive (PUR)
 - cyanoacrylates
- If Priplak® is in contact with printed surfaces (Priplak® used as cover) or laminating, we recommend that you test Priplak® compatibility with the other products involved. Indeed, some glue components, and inks containing a proportion of aliphatic or aromatic hydrocarbons, used in paper printing, can generate curl when in contact with Priplak®.

Storage conditions

Store in its original plastic wrapping, at a temperature around 20°C, away from light.

The information contained within this document are non contractual and are based on the present state of our knowledge. They are given in good faith and considered as correct. The manufacturer reserves the right to change the product, or its technical characteristics, without notice.

However, as we do not control post-processing techniques and conditions of use, this information may not be extended to end products and does not constitute a guarantee for any specific application. So, you are requested to check its validity and suitability for the intended method of converting and application.

Not under controlled distribution