

Certified for  
HP Indigo

# TECHNICAL DATA SHEET

2015 / 23



Ref.

IZILYSS

Range

Opaque / Translucent

Embossing  
(Top / Underside)

Matt / Satin

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## Composition

- Polypropylene sheet
- Halogen free, no substances that can damage the ozone layer
- Inert waste, non toxic and 100% recyclable
- Decomposition products by fire : carbon dioxide CO<sub>2</sub>, vapour H<sub>2</sub>O

## Chemical properties

- Resistant to water, fats, alcohols and some solvents.
- Polypropylene can swell if exposed to certain solvents.
- Polypropylene along with several other plastics, can be distorted by some conventional litho inks. If the Priplak® is to be used within a litho printed job, avoid litho inks with mineral oil distillate. Vegetable / Soya based inks or similar are known to work well. Check with your ink supplier. Perform trials if in any doubt.

## Physical properties

Properties	Units	Test method**	Values**	Tolerances
Thickness	µm	ISO 4593	350	+0,02mm / -0,03mm
Density	g/cm <sup>3</sup>		0,91	+/- 0,01 g/cm <sup>3</sup>
Flexural Elastic Modulus	MPa	ASTM D 790 tested on 500µm sample	850	+/-5%
Tensile strength at failure	N/mm <sup>2</sup>		> 20	
Elongation at failure	%		> 100	
Tensile Impact test	KJ/m <sup>2</sup>	ISO 8256 tested on 500µm sample	230	
Elmendorf Tear resistance	mN	ISO 1974 tested on 500µm sample	5400	+/-3%

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 loose 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.

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

## Assembling

- 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 distillates, used in paper printing, can generate curl when in contact with Priplak®.

## Use & Storage conditions

- Acclimatisation at room temperature 24 to 48h after delivery
- Store in its original plastic wrapping, at a temperature around 20°C, away from light.

## Printing on Priplak®

### Printing with HP INDIGO

- A special coating is applied to the top surface of the Priplak® Izilyss which allows excellent ink transfer and adhesion when using HP Indigo inks. There is no shelf life when using the coated Priplak.
- Our products are guaranteed by HP Indigo for use on the following machines :  
HP Indigo 7800 / 5600 1- shot (The relevant certificates can be obtained at priplak.com)

## Cutting / creasing on Priplak®

- Priplak recommend 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.
- 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.

The information contained within this document are non contractual and are based on data given by our suppliers and 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 is 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.

PRIPLAK® IZILYSS is a registered trade mark of PRIPLAK.

Not under controlled distribution

PRIPLAK

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