



ABOUT POLYPROPYLENE

Where does it come from?

The polypropylene that ppd uses, is imported from France.

Polyprop is manufactured in other countries too, but the French have the best quality. The material from France is also "corona treated" which makes high quality and lasting printing possible. (A brand of polypropylene is Priplak)

What does it consist of?

"The principal component of PRIPLAK® is polypropylene in the form of granules. Before this material was invented, the gaseous residue from oil was burned at a pure loss. It is now recovered to produce polypropylene, thus helping limit pollution of the atmosphere. The granules are fed into an extruder where they are melted, mixed and homogenised. The paste obtained then passes between cylinders where it is flattened, then cooled and cut into sheets.

Polypropylene is a chemically inert, non-toxic product which does not contain any chlorine or substances that might harm the ozone layer, such as CFCs. If burnt, It does not emit dangerous substances - only water vapour and carbon dioxide which is transformed by photosynthesis (chlorophyll). Part of the production waste is reused and the rest is 100% recyclable. For example, a small carrying case with a fastener, handle and polypropylene strap can be fully recycled.

PRIPLAK® is manufactured using a process that does not consume any water, which means that it does not pollute springs or water tables. It has a longer service life than most competitive materials since it withstands temperature differences and ageing. Priplak® not only enables a product to be promoted by its high quality and attractive appearance but it can be reused as a container or utility packaging. This is PRIPLAK's ® second lease of life. PRIPLAK® therefore meets the four criteria of the EU environment commission: minimum use of natural resources, reduced emission of harmful substances, long service life and optimised re-use and recycling."

www.priplak.com

Interesting Info:

The Priplak advantage

The polypropylene sheet **Priplak**, exclusive to Robert Horne, has many benefits associated with its use, and any environmental costs have been reduced to a minimum.

Gaseous by-products of the oil refining process are no longer burnt off into the atmosphere, but are harnessed and used to make **Priplak**. Use of any natural resources is kept to a bear minimum. It is formed at lower temperatures than other material options and the only water used in production is in the cooling process, and then is only used in a closed cooling cycle, meaning no pollution of rivers/streams. The result of such sophisticated production processes is a stable product containing no hazardous additives that can be relied upon to give a strong, stable, chemically and physically resilient packaging option for those who show concern for

their environment.

Polypropylene is also one of the easiest plastics to recycle and there is a huge demand from many industries such as car parts and furniture. And **Priplak** can also produce a recycled black sheet suitable for a vast array of different applications from presentation wallets to POS units which is made from regrind at the mill. In fact Priplak can be recycled up to 50 times with no loss of strength.

Indeed **Priplak** satisfies all four EU criteria for assessing environmental impact of a material:

- minimum use of natural resources
- reduced emissions
- long working life
- optimal reuse/recycling