

## Polyplex and TPL announce the launch of Polyester films containing 70% post-consumer recycle.

Polyplex and TPL announce the launch of bioriented (Biaxially oriented) polyester films containing 70% post-consumer recycle. ([www.tpl.ch](http://www.tpl.ch))

The development of these films was made possible thanks to investments by Polyplex in chemical recycling. This technology uses post-consumer PET bottles. The bottle flakes are depolymerized to monomers and in the further polymerization transformed to PCR PET resins perfectly suitable for extrusion into BOPET films. This operation can be repeated indefinitely and the BOPET produced with this technology are suitable for direct food contact in accordance to USFDA and European legislation.

A common misconception is that the incorporation of recycled content creates a lower grade product, this doesn't have to be the case. Unlike other plastics, production of BOPET through chemical recycling is without any significant performance challenges thanks to high-quality RPET being virtually indistinguishable from its virgin counterpart. Thus, RPET is an easy starting point for brands interested in using recycled plastics.

PET has higher collection rates than many plastics, providing a regular flow of feedstock for recycled PET. The use of post-consumer recycle in BOPET supports the well-established polyester recycling stream by providing an additional output to recycle.

The use of RPET in production of BOPET films allows for a significant reduction of carbon footprint. It also drastically lowers the volume of plastic waste and the use of fossil fuel feedstock.

The production of RPET films is one of the aspects of the holistic approach of sustainability promoted by Polyplex and TPL. Other initiatives include the use of renewable resources for polyester film production (plantPET) or the reduction of film thickness to support this approach.

The production in an industrial scale of these films has already started. Various standard types of 70% PCR PET films are available from TPL's distribution stock in Antwerp for delivery within a few days all over Europe. As well 90% PCR PET films are available on request.

**For further information please see news on [www.tpl.ch](http://www.tpl.ch) / contact: [marketing@tpl.ch](mailto:marketing@tpl.ch) / Telephone: +41 44 308 92 92**

**Polyplex Corporation Ltd.** is a world leading manufacturer of technically demanding biaxially oriented Polyester (BOPET) films. The state-of-the-art production facilities include metallizing and Alox capacity, as well as inhouse resin manufacturing.

**TPL (Transparent Paper Ltd.)** is Europe's leading supplier of high quality films and foils, as BOPET, BOPA and Aluminium foil. The wide product range, fast availability from stock and the local sales team provide our customers an excellent service.

