



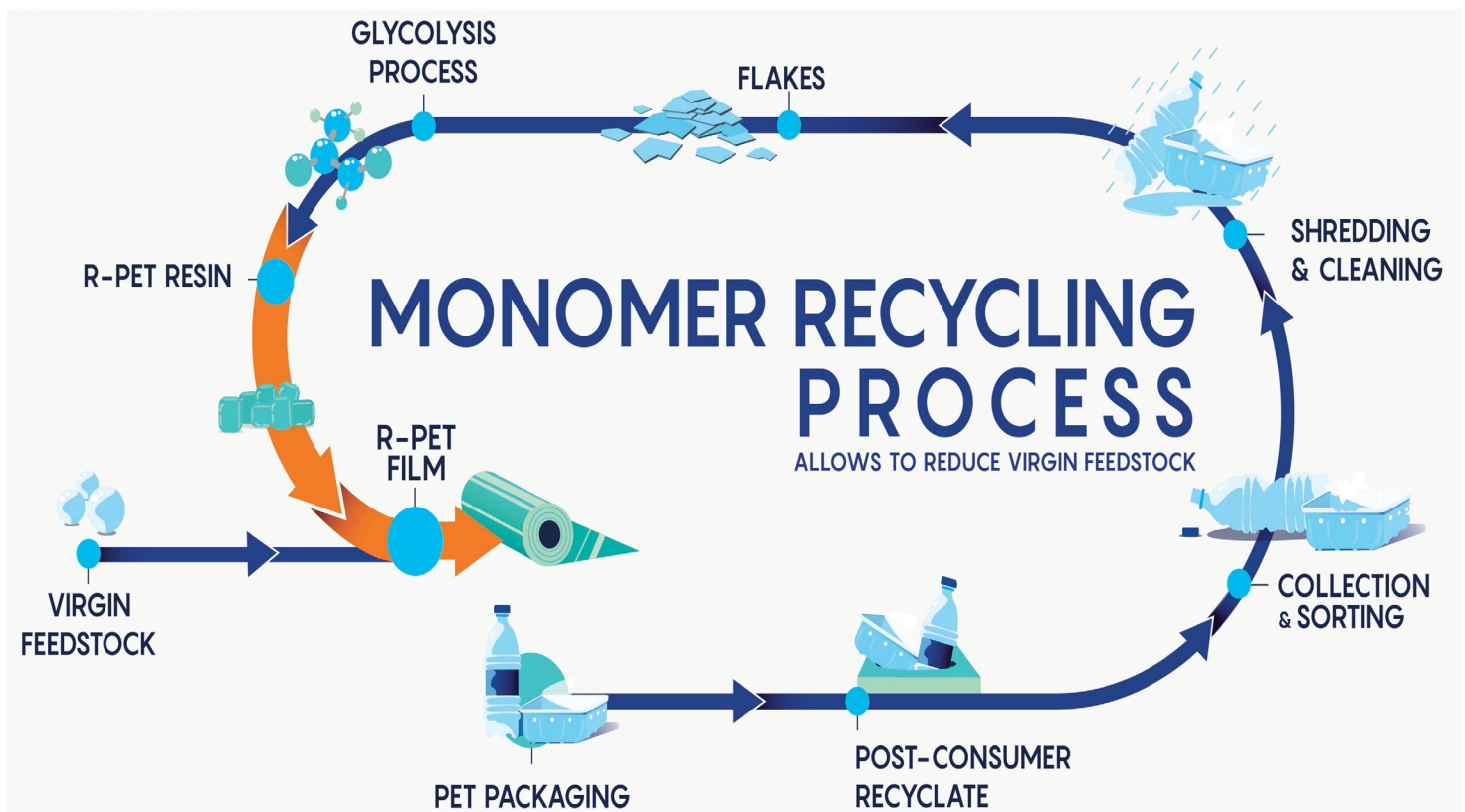
R-PET films: Post-Consumer Recyclate

Achieve your recycling targets by using TPL's R-PET films with 70% post-consumer recycling content (PCR).

Participate in creating more sustainable flexible packaging solutions for protecting the environment by:

- 1 Reducing plastic waste and land fill
- 2 Reducing the usage of fossil feedstocks
- 3 Reducing the carbon footprint
- 4 Supporting recycling streams and improved waste collection

Create with us an effective after use plastic economy!



Glycolysis Process: This recycling process makes it possible to upcycle post-consumer waste. By depolymerizing the flakes back to their monomer basis and repolymerization, we obtain high quality polymers for our PET film production.

Due to the inhouse recycling and resin production of Polyplex, we secure the consistent high quality of our R-PET films.

Now available!

Because sustainability cannot be just promises, we offer many R-PET film types, as corona, chemically treated and metallized films for immediate delivery from stock! Check the current status of developments with us.



Our films have a certified post-consumer recycled content of up to 90%!

Comparison - standard PET vs. R-PET

R-PET films can easily replace your virgin PET film, due to very similar characteristics, making them suitable for standard printing and lamination processes.

Properties		Test Method	Unit	TFCO	TFCO-R7
Nominal Thickness		PolyplexMethod	Micron	12	12
Tensile Strength	MD TD	ASTM D-882	Kg/cm ²	2200 2300	1800 2000
Elongation at Break	MD TD	ASTM D-882	%	130 125	130 120

OUR GREEN INITIATIVES FOR A HOLISTIC APPROACH TO SUSTAINABILITY:

1. Material with post-consumer recycling content (R-PET)
2. Use of renewable resources (plantPET)
3. Enabling mono-material structures for improved recyclability
4. Downgauging possibilities to reduce amount of packaging
5. Energy and efficiency savings, as well as waste reduction in manufacturing plants (ISO 14001 + ISO 50001)



Compliance

The film complies with food conformity requirements of US FDA 21CFR 177.1630 and EU PIM 10/2011. The specific migration limits (SML) are within the specified norms. RPET is ISO 14021:2016 certified - Calculations for Recycled Content, with 70% post-consumer recycled content for R7 PET film series.



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