



rPET lidding film Sustainable High performance Versatile



rPET lidding film

Chadwicks of Bury is a world leader in heat-seal pre-cut lids, dedicated to producing high-quality custom-made sealing solutions for a range of market sectors worldwide.

Lidding film from **Chadwicks of Bury** is now available with 50% recycled post-consumer waste.

In recent years, sustainability has become a pivotal concern across various industries, especially in packaging. One of the innovative solutions that has emerged to address environmental concerns is the use of rPET lidding film.

What is rPET lidding film?

rPET stands for Recycled Polyethylene Terephthalate. rPET lidding film is a type of plastic film made from recycled PET materials, sourced from post-consumer products like bottles and trays. This film is primarily used to seal packaging containers, ensuring product freshness and integrity. The production of rPET involves collecting, sorting, and cleaning used PET products, which are then processed into new, high-quality film.

A sustainable packaging solution

rPET lidding film: A sustainable packaging solution

The manufacturing process

1. **Collection and sorting:** Used PET bottles, pots, trays, etc are collected from recycling programs.
2. **Cleaning:** These items are cleaned to remove any contaminants.
3. **Shredding:** The cleaned PET items are shredded into small flakes.
4. **Pelletizing:** The flakes are melted and formed into pellets.
5. **Extrusion:** The pellets are extruded to create rPET film.

Benefits of rPET lidding film

1. **Sustainability:** The primary advantage of rPET lidding film is its environmental impact.

By utilizing recycled materials, it reduces the need for virgin plastic production, which in turn lowers carbon emissions and conserves natural resources.

With increasing consumer demand for sustainable products, using rPET can help brands meet regulatory requirements and improve their market positioning.
2. **High performance:** Despite being made from recycled materials, rPET lidding film maintains excellent performance characteristics, ensuring that the contents of the package remain fresh and protected.
3. **Versatility:** rPET lidding film can be used across various applications, from food packaging to pharmaceuticals, thanks to its durability and reliability.



Applications

Food packaging: Ensures the freshness and safety of perishable goods such as dairy products.

Beverage industry: Used to seal beverage containers, maintaining product integrity and preventing contamination.

Pharmaceuticals: Protects medicines and healthcare products from moisture and other external factors.

Cosmetics: Used for sealing cosmetic products to keep them fresh and uncontaminated.

Conclusion

rPET lidding film represents a significant step towards more sustainable packaging solutions. By harnessing the benefits of recycled materials, it not only addresses environmental concerns but also meets the high performance standards required by various industries. As sustainability continues to drive innovation, rPET lidding film is poised to play a crucial role in the future of sustainable packaging.