

UFlex Secures Patent for Advanced Reclosable Packaging for Large-Format Bags

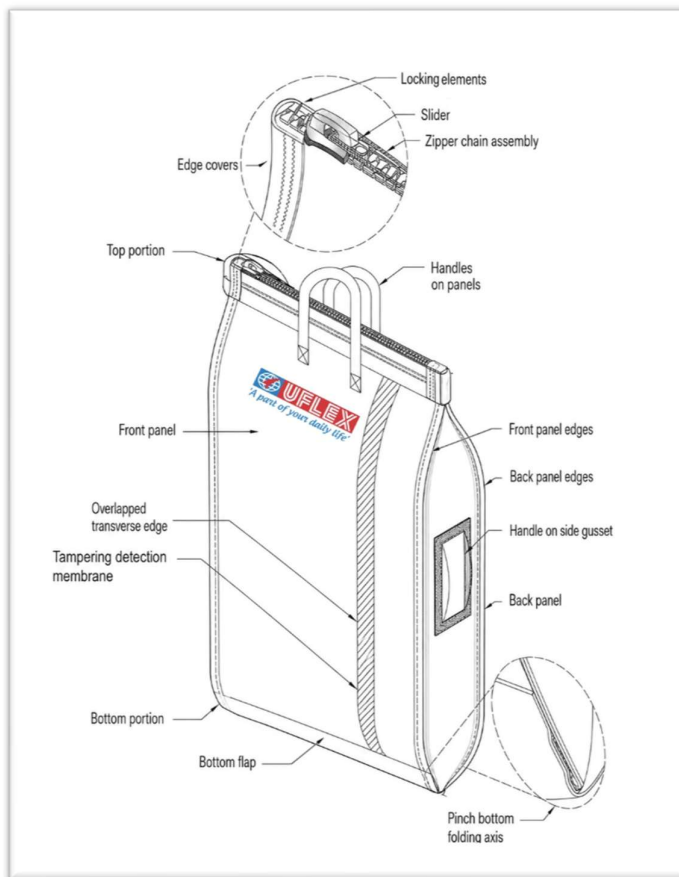
Patented innovation provides a secure reclosable packaging solution with a tampering detection feature and enhanced barrier properties, helping protect products throughout their lifecycle.

Noida, India | July 16, 2026: UFlex Limited, India's largest multinational flexible packaging and solutions company, has secured an Indian patent, valid for a period of 20 years from the date of filing, for its invention titled "A Reclosable Flexible Package with Enhanced Barrier Protection."

The patented packaging solution has been specifically designed for large-format packs that are opened and resealed multiple times before their contents are fully consumed. It is particularly suited for products such as pet food, coffee, protein supplements, flour, pharmaceutical ingredients, fertilizers, specialty chemicals, and other industrial products that require protection from moisture, oxygen, and contaminants during storage, transportation, and repeated use.

Unlike conventional reclosable flexible packs, the patented design integrates secure reclosure, a feature to detect tampering, and enhanced barrier protection into a single packaging solution. This enables products to remain securely protected until the first use while continuing to safeguard the contents after the package has been opened and resealed multiple times.

A key feature of the patented packaging solution is a specially engineered protective thin layer positioned beneath the zipper assembly. Even if the zipper is opened, the contents cannot be accessed without tearing the thin layer, providing a clear visual indication of tampering. Once opened, the zipper enables the package to be securely reclosed, while the integrated barrier





structure continues to protect the remaining contents from environmental factors such as moisture, gases and contaminants.

For example, a large pack of pet food or protein powder may be opened and resealed several times over several weeks. Brand owners, retailers and whole sellers, and consumers need the assurance that the package has remained unopened before the first use and that the remaining contents continue to be protected throughout repeated use. UFlex's patented solution addresses both these requirements in a single package by combining product security, convenience and long-term protection.

Commenting on the development, Mr. Jeevaraj Gopal Pillai, President – Flexible Packaging and New Product Development, UFlex Limited, said, "As products are increasingly being sold in large-format packs, packaging must do much more than simply contain the product. It must protect product integrity throughout its lifecycle while giving consumers confidence that the packaging is secure and has not been opened before purchase. This innovation is particularly relevant for products that are vulnerable to package tampering, product substitution, and counterfeiting. By combining a feature to detect tampering, enhanced barrier protection, and secure reclosure, it helps brand owners safeguard product authenticity, preserve brand reputation, and strengthen consumer confidence."

The barrier properties of the package can also be tailored to suit the protection requirements of different products, making the solution suitable for a wide range of food, pharmaceutical, chemical, and industrial packaging applications. The integrated design eliminates the need for additional sealing mechanisms, making it a practical and cost-effective packaging solution.

About UFlex Limited

UFlex is India's largest multinational flexible packaging and solutions company. Since its inception in 1985, UFlex has grown from strength to strength and has built a strong presence across all verticals of the packaging value chain — packaging films, chemicals, aseptic liquid packaging, holography, flexible packaging, printing cylinders, and engineering. With a 12,000+ strong multicultural workforce across global regions that work toward developing innovative, value-added, and sustainable packaging solutions, the company has earned an irreproachable reputation for defining the contours of the 'Packaging Industry' in India and overseas. It provides end-to-end solutions to numerous Fortune 500 clients across various sectors such as FMCG, consumer product goods, pharmaceuticals, building materials, automobiles, and more, in more than 150 countries. Headquartered in Noida, the National Capital Region, India, UFlex enjoys a global reach with advanced manufacturing facilities in India, UAE, Mexico, Egypt, USA, Poland, CIS, Nigeria, and Hungary. A winner of various marquee global awards for product excellence, innovation, and sustainability, UFlex is the first company in the world to earn recognition at the Davos Recycle Forum in 1995 for conceptualizing the recycling of mixed plastic waste.

For more details, please visit: www.uflexltd.com