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Processing & Packaging

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Packaging South Asia Food & Beverage Supplement



Toppan's retortable packaging using its all PP GL Barrier films

Devan's South Indian Coffee packaging wins Red Dot prizes in 2021 & 2022



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The cap stays on!**
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UFlex flexible packaging innovations in Q2

Ultra-high barrier pouch, MPP & WPP sacks, & high-barrier BOPET film F-AFR-M

UFlex has announced several product innovations in the second quarter ending 30 September 2022. These include three innovations from the flexible packaging business.

Nat Habit organic natural beauty products

The flexible packaging business division has developed a special high-barrier packaging format that prevents degradation and preserves the natural properties of organic natural beauty products while increasing their shelf life. Nat Habit, a startup in the natural beauty and wellness space, required a packaging solution for its natural preservative-free henna paste. UFlex's flexible packaging business division created a unique stand-up, center-seal pouch with a side gusset. This pouch provides an ultra-high barrier against moisture, gases, and UV rays,

High-barrier pouches for Nat Habit organic henna paste developed by the UFlex flexible packaging division. Photo UFlex



and assures protection to the natural ingredients of the henna paste.

It extends the shelf life of the product by preventing it from oxidative degeneration and delaying bacterial growth, thus preventing it from contamination. The unique lacquer coat provides a very organic feel that resonates with the brand positioning. Owing to the packaging solution and the performance of the structure, the brand has apparently witnessed a three-fold increase in demand since its launch, according to Uflex.

High barrier BOPET film F-AFR-M

In order to meet the exceptional barrier requirements for oxygen and moisture-sensitive products that typically include milk powder, coffee, or beverage packaging, the flexible packaging films business division of UFlex has developed a barrier BOPET film 'F-AFR-M' with metallization on one side and the option of corona treatment on the other side.

FAFR-M offers a metal bond strength of more than 600gm/25mm for easy handling and machinability. Owing to its high oxygen and moisture barrier properties and easy recyclability, the film has emerged as a successful replacement for aluminum foil used in dried packaging applications, which enables brands to come one more step closer to their sustainability goals. ■

UFlex Chemicals gets India patent for solvent-free pigmented adhesive

Patent for environmentally friendly cost-effective solvent-free white adhesive

As one of the global leaders in inks, coatings and adhesives for packaging and labelling applications, the UFlex Chemicals Business recently acquired a patent for 'Solvent

free pigmented adhesive and a process for its preparation' (Patent No 406417). With this patent, the Chemicals business of UFlex has again demonstrated its commitment to 'Harvesting Innovation.'

This patent has been awarded to UFlex by the Government of India in accordance with the provisions of the Patents Act, 1970 for a period of 20 years. UFlex proudly adds this patent to

develop innovative and sustainable solutions to its growing list of leading-edge products.

The present disclosure relates to a two component adhesive composition and the process for its preparation. The adhesive composition of the present disclosure is solvent-free and works well on existing solvent less lamination machines. It helps reduce the use of white ink, thus significantly reducing costs. The process for the preparation of the adhesive composition is simple, efficient, solvent-free and environment friendly.

The presence of high content of volatile organic solvents in solvent-based conventional adhesives is detrimental to the environment and is energy intensive, thereby increasing overall costs. With the development of this solvent free white adhesive, the customer gets the freedom to be greener and more cost-effective simultaneously.

Consumer product brands can be highlighted with distinctive visibility as the new pigmented adhesive considerably improves flexible film performance allowing for higher visual appeal in applications

The newly patented pigmented adhesive improves the visual appearance of flexible packaging while saving on the cost of a white ink. Image UFlex



Patented solvent-free pigmented white adhesive – advantages

The newly patented adhesive will help achieve higher lamination speeds ranging from 300 to 350 meters per minute, leading to higher productivity with excellent machinability on existing solvent-less lamination machines. Its use will also cut

down the requirement of white ink coating on printed substrates, leading to substantial cost savings.

The solvent-free pigmented white adhesive offers excellent wettability, enhanced wettability on metallized substrates and improves the visual effect of the flexible packaging. The development of the solvent-free pigmented white adhesive consumes less power and significantly reduces application costs. The fast decay of primary aromatic amines makes it highly environment friendly and sustainable.

On acquiring the adhesive patent, Rajesh Bhasin, joint president, UFlex Chemicals stated, “Continuously developing cost-effective and value-added solutions for the packaging industry is integral to our business. Our research team has been continuously working most diligently to outperform our own set benchmarks. This patent is another feather in the cap of UFlex Chemicals, and once again demonstrates our capability to align with client needs while promoting sustainability. I am thrilled that a cost effective and a versatile solvent-free white adhesive is now a reality we will be able to deliver.”

Consumer product brands can be highlighted with distinctive visibility as the new pigmented adhesive considerably improves flexible film performance allowing for higher visual appeal in applications. The product is already being marketed globally and is garnering good demand from customers. ■

