NEWS

Transparent, recyclable glassine window for paper packs designed by SiOPack

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SiOPack claims to have developed a fully recyclable, food-safe, and plastic-free packaging window made from paper – a move hoped to reduce plastic waste without compromising on product visibility.

Conventionally, packs that require visibility – even those otherwise made from paper – use plastic for their transparent components. Europe is thought to use over 150,000 tonnes of plastic to produce bakery bag windows every year.

In response, SiOPack worked with technology experts at Nanopool to create its Glassine solution. This involves applying a patent-pending, liquid-based barrier coating (either inline during the manufacturing stage or offline using standard flexographic printing equipment) to glassine, which is traditionally opaque.

This process is said to result in a material that is both transparent and resistant to air and moisture, all in one layer; it does not require lamination or additional plastic films. It is described as 'breathable' and reportedly keeps products fresh, but it can also be recycled in existing paper streams at end-of-life.