

Mondi ramps up FunctionalBarrier Paper Ultimate to meet growing demand

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Mondi, a global leader in sustainable packaging and paper, is expanding its range of high-performance barrier papers with the rollout of FunctionalBarrier Paper Ultimate. This paper-based solution meets even the most demanding packaging requirements.

Following its previously announced €16 million investment in state-of-the-art technology at its plant in Solec (Poland) Mondi is ramping up production of this high-performance barrier paper which offers exceptional protection against oxygen, water vapour and grease, with an oxygen transmission rate (OTR) below 0.5 cm³/m²d and water vapor transmission rate (WVTR) below 0.5 g/m²d. According to Mondi's internal product impact assessments, the solution delivers substantially lower cradle-to-grave CO₂ emissions compared to conventional multi-layer plastic or aluminium-based materials.

As part of the re/cycle portfolio, FunctionalBarrier Paper Ultimate meets Mondi's internal Path to Circularity Scorecard criteria. It is designed for recycling according to the Cepi Recyclability Laboratory Test Method (Version 1 – January 2025) and 4evergreen's Recycling Evaluation Protocol for recycling mills using conventional processes. As a result, customers benefit from a more sustainable alternative to traditional, non-renewable packaging solutions.

Intended for high barrier applications, the solution is suitable for packaging instant coffee sticks and pod overwraps, tea sachets, dried food seasonings, muesli or cereal bars and bouillon cubes, among others, and ensures long shelf life and convenience.

The product complements Mondi's broad range of FunctionalBarrier Papers, which offer customers a variety of barrier levels to suit their product requirements. It can help support brands' circular economy goals by enabling customers to meet changing regulatory requirements and growing consumer demand for more sustainable packaging.

Compatible with existing horizontal and vertical form-fill-seal packing lines, the paper-based packaging can be efficiently integrated into existing production processes.