



FOOD & BEVERAGE PACKAGING



PACKOKCOMPOST - HOME COMPOSTABLE MOLDED FIBRE COFFEE CAPSULES



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The PackOkCompost project has developed a breakthrough coffee capsule technology that provides a truly sustainable alternative to traditional aluminum and plastic capsules, combining outstanding home compostability with brewing performance and shelf life equivalent to the best incumbent solutions across all major systems.

Our solution is built on a comprehensive intellectual property platform that captures the critical functional parameters of coffee capsule systems and includes dedicated implementations for the leading formats, including Nespresso®, Dolce Gusto®, and K-Cup®. This enables broad market applicability through a single, scalable technology platform.

Unlike recently introduced compostable systems such as Dolce Gusto Neo®, CoffeeB®, K-Cup K-Round®, and Lavazza Tabli®, our capsules maintain full compatibility with existing filling lines and brewing machines, eliminating the capital investments, operational disruption, and consumer adaptation typically associated with the introduction of new beverage formats.



For multi-beverage platforms such as Dolce Gusto®, K-Cup®, and Caffitaly®, the technology is also suitable for soluble beverage applications, including hot chocolate, tea, cappuccino, latte, and other specialty drinks, while maintaining the same high standards of product performance and consumer experience.

Being fully home compostable, our molded fibre capsules provide a simple and consumer-friendly end-of-life solution. In contrast, aluminum and plastic capsules, even when technically recyclable, depend on complex and costly collection schemes as well as dedicated recycling infrastructure to achieve effective material recovery. These requirements create significant barriers to circularity and contribute to the low real-world recycling rates typically observed for conventional coffee capsules.

By combining home compostability, best-in-class brewing performance, compatibility with existing manufacturing and brewing infrastructure, and broad applicability across multiple capsule formats, PackOkCompost offers a highly scalable pathway to decarbonizing the global single-serve beverage market.