Coffee Capsules

Certified compostable ecovio® for injection molding and thermoforming

The mechanical recycling of coffee capsules is neither effective nor economically advantageous. It is therefore not practiced with the existing and widespread multi-component systems comprised of coffee, conventional polymer and aluminum.

The coffee grounds cannot be disposed of separately from the plastic or aluminium capsules – even though coffee is considered to be an excellent addition to the compost pile as it contains nitrogen.

With capsules made of ecovio® the coffee grounds can be composted together with its packaging. ecovio® is a high-quality and versatile biopolymer of BASF. The primary advantages are the certified compostability and the bio-based composition.

Key technical benefits

- Quick cycle times in processing on standard plastics processing machines
- Good thermal resistance (due to material choice and design)
- Stiff material with very good impact behavior

Sustainability benefits

- Fully compostable according to international standards, e. g. EN 13432
- ecovio® for coffee capsules can be industrially composted along with the coffee grounds which is more resource-efficient than having it landfilled or incinerated.
- Composting organic waste can reduce the production of greenhouse gases. Moreover, compost can prevent soil erosion and be used to improve soil fertility as it contains valuable phosphate.
- ecovio®'s high content of renewable raw materials reduces the overall carbon footprint of a product.

Fields of application

- Thermoformed coffee capsules (ecovio® TA)
- Injection-molded coffee capsules (ecovio® IS and ecovio® IA)

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Note
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