

Press release

15th December, 2022

Packaging analysis according to internationally recognised standards

“Made for Recycling”: suitability of PVOH coated barrier OPP film for the circular economy is confirmed in an analysis

- Interseroh+ certifies the flawless recyclability of the BICOR™ MB866 BOPP film with a thin PVOH barrier layer from Jindal Films Europe
- Scientific analysis provides the starting point for a review of the classification of PVOH in the minimum standard of the Central Agency Packaging Register (ZSVR)

Cologne. They are indispensable when it comes to protecting sensitive food products: plastic films with an effective barrier. Due to the current shortage of raw materials, in addition to EVOH, AlOx and SiOx, packaging manufacturers are increasingly turning to oxygen barriers that are made from polyvinyl alcohol (PVOH). The problem: according to the minimum standard of the Central Agency Packaging Register (ZSVR), PVOH has generally so far been considered “non-recyclable”. An analysis by Interseroh+ on behalf of film manufacturer JINDAL FILMS EUROPE and film distributor Petroplast has now shown that the PP film with the PVOH barrier layer (type BICOR MB866) from Jindal Films does not pose any problems for the recycling. “The detailed verification is based on state-of-the-art, internationally recognised standards of analysis,” explains **Julian Thielen, Head of “Made for Recycling” and Packaging Engineer at Interseroh+**. “Our scientifically-based, case-by-case approach means it is possible to investigate the actual recyclability of innovative materials and provide a basis for assessing the recyclability of novel substances.”

With its “Made for Recycling” packaging analysis and its in-house centre of competence for plastic, “Interzero Plastics Innovations”, Interseroh+ is the only dual system in Germany which has the know-how and technical capabilities for being able to provide detail verification for novel substances according to international test protocols such as APR and RecyClass.

Background:

The scientific “Made for Recycling” assessment standard was developed by Interseroh+ together with the bifa environmental institute, and has been confirmed by the Fraunhofer Institute for Process Engineering and Packaging IVV. In 2020, the centre of competence for plastic in Maribor, Slovenia, was awarded international accreditation (ISO/IEC 17025:2017) –

interzero[®]

as the only research institution recognised in the EU to specialise on the development and analysis of recycled plastics. Here, the experts not only assess the materials and design of the packaging, but also its practical sorting capability and recyclability. With its comprehensive range of analyses, Interseroh+ supports its customers in complying with the legal requirements – and works with the companies to advance sustainable packaging innovations.

About Interseroh+:

Interseroh+ is the Recycling Alliance of the recycling services provider Interzero. The offer from Interseroh+ GmbH is aimed at all companies which not only want to fulfil their legal obligations concerning packaging licensing, but also want to take responsibility for closing recycling and raw material loops – and they can also become a joint member of the Recycling Alliance. For further information on Interseroh+, visit www.interseroh.plus.

About Interzero:

Interzero is one of the leading services providers for the closing of product, material and logistics loops and the leading innovator in plastics recycling with the largest sorting capacity in Europe. With the guiding principle of “zero waste solutions,” the company supports more than 50,000 customers throughout Europe on the responsible use of recyclable materials, thereby helping them to improve their individual sustainability performance and to conserve primary resources. With approximately 2,000 employees, the company achieves a total turnover of more than one billion euros (2021). According to the Fraunhofer Institute for Environmental, Safety and Energy Technology UMSICHT, in 2021 alone, through its recycling activities, the Interzero saved more than one million tonnes of greenhouse gases compared with primary production and more than 12.5 million tonnes of primary raw materials. For further information, visit www.interzero.de.

At www.interzero.de/presse it is possible to subscribe to all of the press releases of Interzero as RSS feed. Please also visit our online portal, which contains information on the topic of raw materials and recycling: www.recyclingnews.de

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