Press Release

Neopac’s ‘Polyfoil® MMB 545/645’ tube receives a RecyClass Recyclability Approval

Following independent testing in accordance with the RecyClass Recyclability Evaluation Protocol, Neopac ‘Polyfoil® MMB 545/645’ tube is approved as fully compatible with the European rigid high density polyethylene (HDPE) recycling stream. This HDPE tube is paired with HDPE shoulders and cap, and ideal for cosmetic, dental and pharmaceutical applications.

‘Polyfoil® MMB 545/645’ laminated tube was tested with its white HDPE cap on and decorated by means of direct printing. Advanced barrier properties of the tube are ensured by the presence of an organic novel lacquer technology applied on the central MDO-PE film protected within the tube body structure, and based on low amount of modified PVOH composition – this feature was the main focus of the performed tests.

According to the laboratory results, that were obtained from the tests done by the Institut für Kunststofftechnologie und -recycling (IKTR) and in accordance with the RecyClass Recyclability Evaluation Protocol for HDPE containers[[1]](#footnote-1), the ‘Polyfoil® MMB 545/645’ product conforms to the current European coloured HDPE container recycling stream provided it is used under specific conditions[[2]](#footnote-2) . The tests demonstrated that plastic generated by the recycling process can be used back in high-end, or even closed-loop applications, such as HDPE blow-moulded bottles, with up to 25% of this material.

These results add to the list of the Neopac approved tubes[[3]](#footnote-3) and illustrate the effort of the plastic industry in designing high performance HDPE barrier tubes that are compatible with their dedicated recycling stream. Moreover, the presence of a full PE tube demonstrates that a monomaterial design can be achieved, ensuring an optimal performance of the packaging regarding its recyclability.

“Testing the use of new thin film barrier materials in tubes is again a significant step forward for the tube industry as it opens the door for alternatives to EVOH so far mostly used in plastic barrier tubes,” says Philippe Kern, Director R&D and Quality at Hoffmann Neopac AG. “It further increases the monomaterial criterion of barrier tubes and by this, the quality of the final recycled plastics, contributing to the achievement of closing the loop for packaging.”

***RecyClass Recyclability Approvals***

RecyClass issues two types of Recyclability Approvals – Technology Approvals and Product Approvals. These are issued upon conducted testing in accordance with one of the established Recyclability Evaluation Protocols. Testing results are incorporated in the RecyClass Design for Recycling Guidelines and the Online Tool. The full list of approved Technologies and Products can be found on the [RecyClass website](https://recyclass.eu/recyclability/approvals/).

***About RecyClass***

RecyClass is a non-profit, cross-industry initiative advancing recyclability, bringing transparency to the origin of plastic waste and establishing a harmonized approach toward recycled plastic calculation & traceability in Europe. RecyClass develops Recyclability Evaluation Protocols and scientific testing methods for innovative plastic packaging materials which serve as the base for the Design for Recycling Guidelines and the RecyClass Online Tool. RecyClass established Recyclability Certifications for plastic packaging, Recycling Process Certification and Recycled Plastics Traceability Certification for plastic products.

[RecyClass – Plastic Future is Circular](https://www.youtube.com/watch?v=sc3aWnd4Svg)

Follow the latest news on RecyClass channels: [LinkedIn](https://www.linkedin.com/company/recyclass) | [Twitter](https://twitter.com/RecyClassEU) | [YouTube](https://www.youtube.com/channel/UCclKZJqvjVAfFbmkgfSV-VQ)

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***About Neopac***

Hoffmann Neopac is a privately-owned company, headquartered in Thun, Switzerland. The group produces high-quality metal and plastic packaging in six locations: HOFFMANN tins in Thun and Holland; Polyfoil® and plastic tubes with NEOPAC in Switzerland, Hungary and the US; and 3D Neopac in India. Its longstanding customers include internationally active pharmaceutical, cosmetics and consumer goods manufacturers in the European, North American and Asian markets.

Including its new production facility in the United States, Neopac employs around 1,250 employees and has a capacity of 1.3 billion tubes. The company is dedicated to sustainability in both its manufacturing processes with renewable electricity and corporate culture, including a dedicated eco-conscious packaging portfolio.

Follow the latest news on Neopac channels: [LinkedIn](https://www.linkedin.com/company/hoffmann-neopac)  | [Twitter](https://twitter.com/HoffmannNeopac)  | [YouTube](https://www.youtube.com/user/NeopacTheTube)

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1. [Recyclability Evaluation Protocol for HDPE containers](https://recyclass.eu/recyclability/test-methods/). [↑](#footnote-ref-1)
2. Full conditions of the approval are listed in the RecyClass Recyclability Approval Letter: [Neopac ‘Polyfoil® MMB 545/645’.](https://recyclass.eu/recyclability/approvals/) [↑](#footnote-ref-2)
3. RecyClass Recyclability Approval Letter: Neopac [Polyfoil® MMB Tube PF528, Polyfoil® MMB PF525/623 and Polyfoil® MMB PF542/642](https://recyclass.eu/recyclability/approvals/) [↑](#footnote-ref-3)