

Flip caps engineered to combine safety and sustainability

By reducing fossil-based materials in the plastic disc, Datwyler flip caps offer a **more sustainable solution without compromising trusted performance.**



◆ Eco-friendly materials

Made with bio-based polypropylene from 2nd generation feedstock and paired with fully recyclable aluminum, our flip caps actively support the circular economy while reducing reliance on fossil resources.

◆ Lower carbon footprint

Applying a cradle-to-gate analysis, Bio-based flip caps deliver a significant reduction in product carbon footprint, enabling pharma companies to advance their sustainability strategies with measurable, transparent impact.

◆ Proven quality and performance

Manufactured in state-of-the-art facilities, our bio-based flip caps guarantee the same sealing integrity, safety, and customization options as traditional caps; tested and verified to meet the highest pharma standards.

Standard flip cap
 Bio-based flip cap (Cradle-to-gate incl. incineration)
 Bio-based flip cap (Cradle-to-gate incl. captured CO₂)



Product Carbon Footprint of the plastic injection for flip caps manufacturing (kg CO₂eq)*

*Results based on OpenLCA v2.4.0 and Ecoinvent v3.10, cradle-to-gate model, IPCC 2021 (ISO 14067). Functional unit: 1000 finished products.

◆ Datwyler global approach to sustainability

For Datwyler, sustainability means creating long-term value for all stakeholders while ensuring success today. We aim to shape a sustainable future by balancing economic, environmental, and social responsibility in everything we do. As a trusted partner, we are committed to the UN Sustainable

Development Goals and integrate sustainability across our business: from product development and production to customer service, employee engagement, and social responsibility.

Bio-based polypropylene disc made from 2nd generation feedstock

- Raw material certified ISCC PLUS ⁽¹⁾ under the mass balance approach ⁽²⁾, ensuring traceability and sustainability.
- Each batch delivered by our suppliers is accompanied by an ISCC PLUS sustainability declaration.
- The feedstock used qualifies as waste or residues, meaning it was not intentionally produced, modified, contaminated, or discarded, guaranteeing a genuine environmental benefit.



Aluminum: a highly recyclable material

Although no recycled aluminum of pharmaceutical grade is currently available, aluminum is one of the most recyclable materials in use and can be recycled virtually infinitely.

About 75% of all aluminum ever produced is still in use today.

The standard pharma-grade aluminum used for our caps ensures excellent recyclability, and 100% of aluminum waste and scrap in our production is recovered through certified third-party recycling.

◆ Available across our portfolio to match your requirements

5 different designs



40 standard plastic colors



5 standard aluminum colors

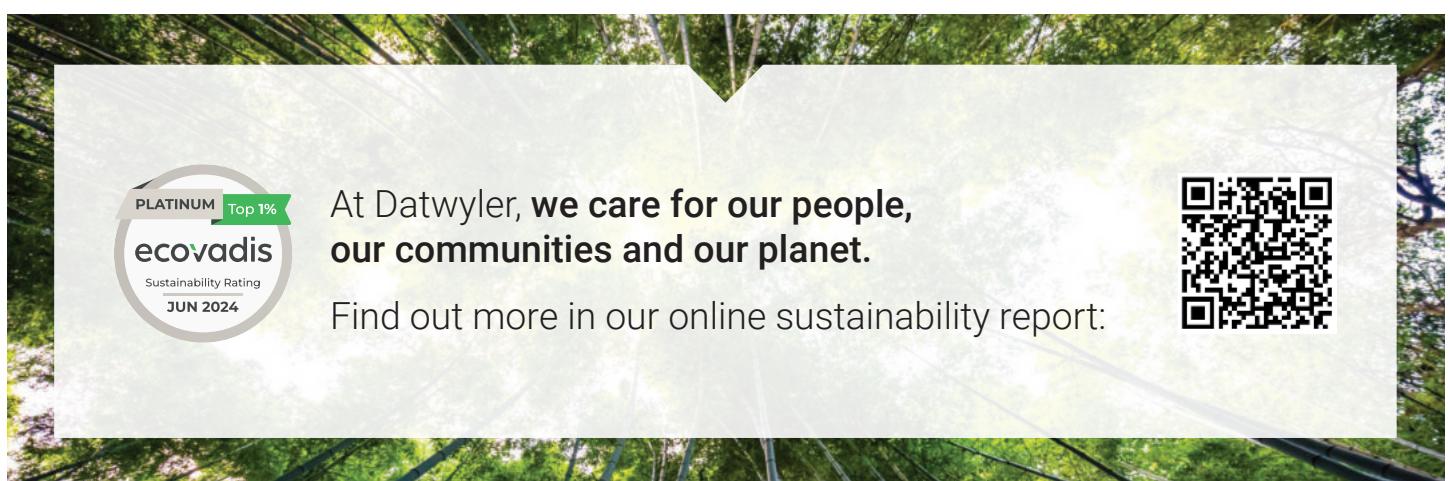


Other customization options

Printing

◆ Embossing/Debossing

◆ Customized colors



At Datwyler, **we care for our people, our communities and our planet.**

Find out more in our online sustainability report:

⁽¹⁾ The International Sustainability and Carbon Certification (ISCC) is a globally applicable sustainability certification system. It covers all sustainable feedstocks, including agricultural and forestry biomass, bio-based and circular materials, and renewable. Datwyler is not ISCC plus certified.

⁽²⁾ The Mass Balance Approach is a certified tracking method that ensures transparency when renewable and fossil feedstocks are mixed in the same production process. By monitoring inputs and outputs across the supply chain, it allows verified claims on the share of bio-based or chemically recycled content in the final product - even when the materials are physically indistinguishable.