

PRESS ARTICLE

09/11/2023

Sidel launches ultra-small, ultra-light PET bottle for liquid dairy products



The new PET bottle from Sidel is designed to offer an increased competitive advantage for liquid dairy manufacturers.

This mini-size has been designed for products such as drinking and probiotic yoghurts with capacities between 65ml to 150ml and is ideally suited for ambient and cold chain processes. The bottle would also suit applications within the juice, nectar, soft drinks, isotonics and tea sector.

“This new format has been launched to support the liquid dairy product industry where the use of PET packaging has increasingly become an attractive alternative,” comments Laurent Naveau, Packaging Innovator Leader at Sidel. “Part of Sidel’s continuous packaging optimisation programme, this bottle is designed to reduce greenhouse gas emissions and costs while also offering new marketing opportunities and high production performance for manufacturers.”

Advanced sustainability and cost efficiency

With Sidel’s new ultra-light bottle, manufacturers can benefit from PET’s heightened sustainability credentials. Not only is it the most affordable plastic on the market, but it is also the only food grade bottle-to-bottle recycled plastic.

By switching to PET, manufacturers can achieve up to a 40 percent cost reduction when moving from polystyrene to PET and a 20 percent reduction from HDPE (high density polyethylene).

Laurent Naveau says: “Our new size has the best-in-class bottle weight with just 3.9g for a 100ml extended shelf-life bottle and 5.4g for 100ml aseptic bottle achieved through a dedicated preform design. This new preform design is qualified for 100% rPET content and also enables a low blowing pressure below 15 bars. Sidel’s new PET mini-

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bottle guarantees producers total product integrity while also offering compatibility with a range of safe, convenient capping solutions.”

Creative shelf-appeal

The global yoghurt and probiotic market size alone was valued at USD 86.87 billion in 2022 and is expected to grow at a compound annual growth rate of 9.3 percent from 2023 to 2030*. Manufacturers are increasingly looking for ways to create stand out shelf appeal in a competitive marketplace.

The new ultra-small bottle offers a range of creative options including different formats and shapes; one-shot or multi-serve consumption; the use of white or transparent PET; multiple graphics and textures; plus, a wide range of bottle necks and caps. It is also compatible with roll-fed or sleeve labelling.

High performance

Sidel's new ultra-small bottle is based on a uniquely designed preform, which ensures a wide process window even with reduced heating zones. This offers optimum material distribution guaranteeing a high- bottle performance.

Laurent Naveau comments: “Sidel’s packaging experts have developed a preform that achieves great bottle quality. The accurate material distribution on the bottle ensures that its performance is secured even with lower blowing pressure and a reduced quantity of material. We’re excited to work with producers within the liquid dairy product sector to realise the full scope of our new ultra-small and light design range.”

Complete line solutions

Sidel offers a complete line solution for liquid dairy and sensitive products, building on over 40 years of experience operating within and supporting manufacturers in this industry.

The new bottle size is compatible with the company’s Aseptic Combi Predis™ Fma - the market’s simplest and fastest aseptic solution with dry preform decontamination. It offers a safe, hygienic and cost-effective way of packaging sensitive products to ensure high-end taste and long shelf life with minimal water and chemical usage.

Similarly, the bottle is also suitable for high production speeds with up to 66,000 bottles per hour.

Find out more about Sidel’s new bottle and how you can access this kind of support for your business on the [Sidel website](#).

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Editor's Notes:

*Market statistics referenced from [Grand View Research Market Report – Yogurt and Probiotic Drink Market Size](#).

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Sidel is a leading global provider of packaging solutions for beverage, food, home and personal care products in PET, can, glass and other materials.

Based on over 170 years of proven experience, we help shape the factory of tomorrow, through advanced systems and services, line engineering, eco-solutions, and other innovations. With over 40,000 machines installed in more than 190 countries, Sidel has 5,000+ employees worldwide who are passionate about providing equipment and service solutions that fulfil customer needs.

We continuously ensure we understand the evolving business and market challenges our customers face and commit to meeting their unique performance and sustainability goals. As a partner, we apply our solid technical knowledge, packaging expertise and smart data analytics to assure lifetime productivity at its full potential.

We call it **Performance through Understanding**.

Find out more at www.sidel.com and connect with us



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