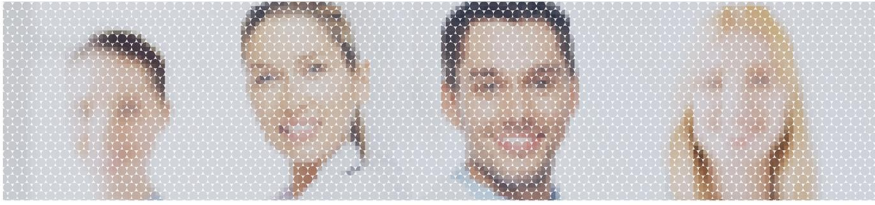


Sterile Blisters

AN ECONOMICAL ALTERNATIVE TO BLOW-FILL-SEAL

Life Science and Health Care

Portions of sensitive single-use liquids and pastes are traditionally packaged using the blow-fill-seal method (BFS). However, this is generally complex and inflexible. When it comes to the manufacture of aseptic packaging, sterile blisters provide an innovative, cost-effective, and environmentally friendly alternative to the traditional method.

Single-dose packaging can be used in numerous applications and is particularly suitable for medication which comes in the form of drops or ointments (such as eye drops, eye creams, nose drops, cough drops), as well as cream or gel cosmetics. The single-use format is not just ideal for medication which has to be used directly after opening for sterility and preservability reasons – it is also perfect for samples during promotions.

Sterile Blisters: An Innovative Alternative to Blow-Fill-Seal

Compared to the BFS method, the blister-based technology used by Pharmapan for sterile packaging, such as the process for the aseptic filling of eye drops, is considerably more flexible and economical. It makes it possible to produce several sterile products on one system and is even economical for small quantities. There is also a great degree of freedom when it comes to choosing the color and printing for the packaging design. What's more, a variety of dimensions and shapes are possible.

Aluminum Blisters: Safe and Environmentally Friendly Packaging

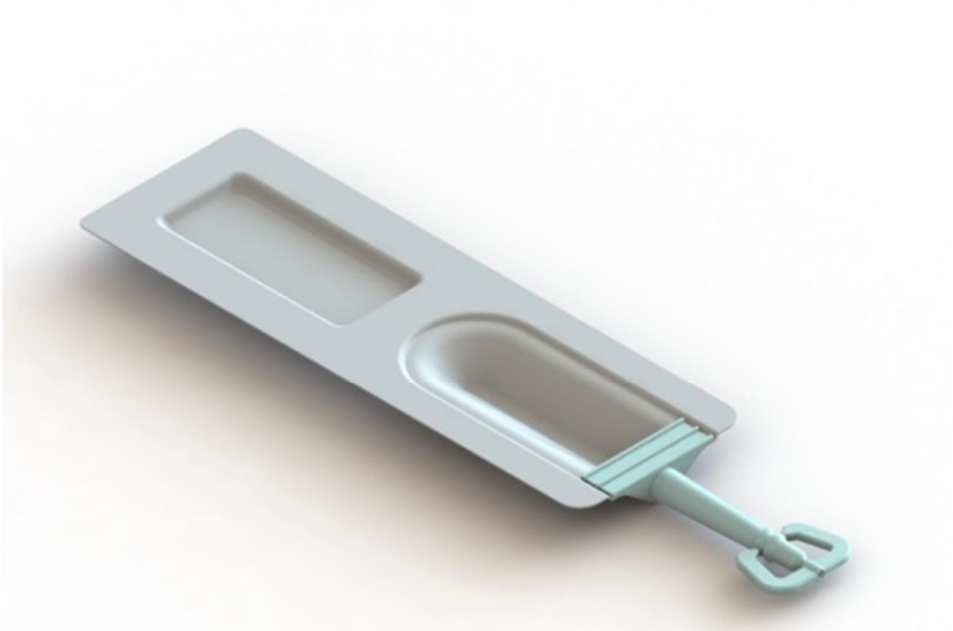
Aluminum blisters are generally used due to their high barrier characteristics; however, plastic can also be used for special applications or for aesthetic reasons. Unlike in plastic BFS containers, the product is protected against external factors such as light, oxygen, or evaporation as a single dose in sterile aluminum blisters – and therefore remains stable for a longer period of time.

This means that it can be possible to do away with the usual secondary packaging, such as an aluminum tubular bag if necessary.

Flexibility: Possibility of Different Opening Options

Depending on the product and the target group, the opening mechanism can be adapted to the relevant application. As well as the tried-and-tested opening method of removing the top by twisting it, it is also possible to use peelable or laser-scored opening mechanisms with the corresponding blister design. Even a pressure-sensitive opening and dosing mechanism is feasible by varying the sealing seam strengths in a targeted manner.

An optional spout offers maximum versatility when it comes to the administration options.



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