



BARRIER
S-LINER

INTEGRATED PROTECTIVE BARRIER: DER NEUE S-LINER BARRIER





Influences on packaging and product

SAIER buckets are used in various industries with different filling materials. The time between the filling of the product and when it is actually used can be several months. During this time, certain liquids, vapours or UV rays can penetrate the packaging material's polymer structure. This can have a significant negative impact on the mechanical properties of the buckets and the quality of the contents.

Effective 360° protection against permeation The new S-LINER BARRIER

With the S-LINER BARRIER, an internal barrier film reliably protects the bucket's content by means of a welded base-wall film that covers the entire interior up to the top edge of the bucket. The contents are additionally protected from above by a barrier film attached to the inside of the lid, so that effective 360° protection is achieved.



The integrated barrier film protects the plastic polymer against changes, for instance due to solvent-containing ingredients, which may permeate from the interior to the exterior. Thereby, the product properties of the filling material and the stability of the bucket are preserved. At the same time, the product is protected from external influences that can enter the product through permeation from the outside to the inside. Possible changes in the product properties of the contents due to oxygen or UV rays, for example, are thus effectively avoided.



THE NEW S-LINER BARRIER

FOR EFFECTIVE PROTECTION AGAINST INWARD AND OUTWARD PERMEATION.



S-LINER BARRIER:

The S-LINER BARRIER can be adapted to various requirements by means of film technology. Due to the increased barrier protection, for example, an increased shelf life or better preservation of aroma and flavour components in filled products can be achieved. We offer the S-LINER BARRIER for the various bucket shapes and sizes in our range.

The multilayer barrier layers of the inner film are only a few μm thick, and as such only a fraction of the usual bucket container wall thicknesses of approx. 0.6-2.5 mm. Therefore, depending on the barrier requirement and the selected barrier layer, the recyclability of the bucket container is still up to 100%.



S-LINER BARRIER: *The advantageous alternative*

In the past, plastic containers were not suitable for all types of products. Now, the integration of an inner film barrier adds the functionality of containers with high barrier properties such as metal or glass containers to the positive characteristics of plastic containers.

- + *Light packaging weight***
- + *Shape-retaining sales packaging, without dents or breakage***
- + *No rusting and no additional interior coating required***
- + *No permeation (for instance of solvents) from inside to outside***
- + *The ability to nest empty containers for efficient and sustainable outbound and inbound logistics***
- + *The energy required to produce a defined volume of packaging from plastic is usually less than for metal or glass***

Do you need optimal protection for your products? We are looking forward to discussing the use of the S-LINER BARRIER in your packaging.

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