



**SEKISUI** | **ALVEO**  
INNOVATION IN FOAM

Alveolit foams for electronics

# Alveolit foams for electronics

Tapes made with Alveolit foams enable the fixation and sealing of a variety of parts for the interior and exterior of communication and other electronic devices.

Alveolit crosslinked polyolefin foam is a closed cell product with the following unique benefits:

- > Easy to coat, die-cut and slit
- > Low thickness tolerances
- > Light weight, inert, does not deteriorate
- > Negligible water absorption

## Fixation tapes

The excellent flexibility and conformability of Alveolit foams assure 100% contact between various surfaces and shapes, resulting in optimal fixation performance. Tapes based on film carriers do not achieve this level of surface contact. They typically require thick adhesive layers or large contact areas as illustrated in pictures a+b.

### Benefits of Alveolit foam

Conformability and flexibility

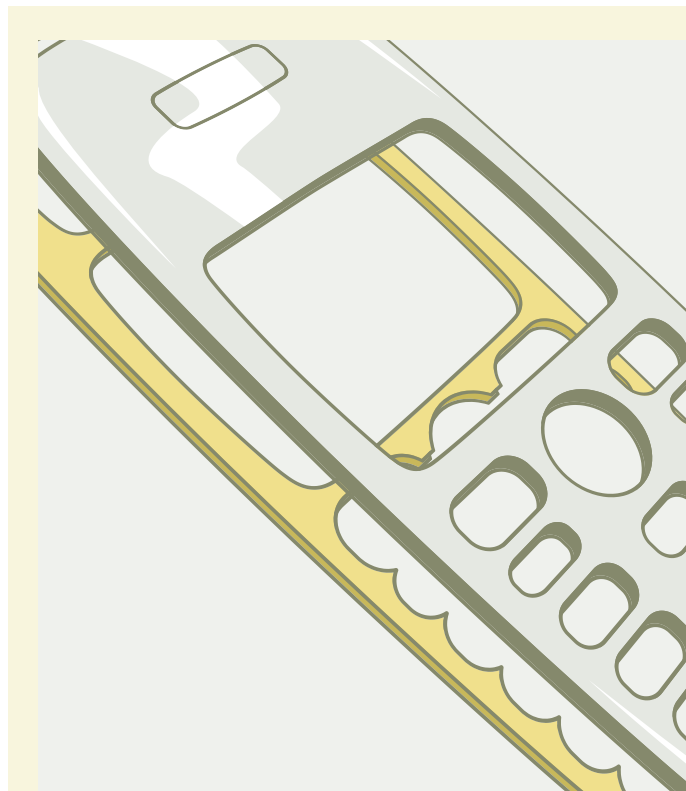
- > Adapt to tolerances
- > Maximum surface contact
- > Secure fixation

Thinner adhesive layer

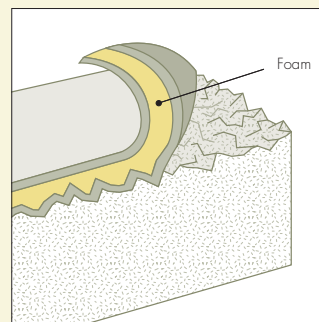
- > No adhesive bleeding
- > Easy conversion (e.g. die-cutting)

### Products

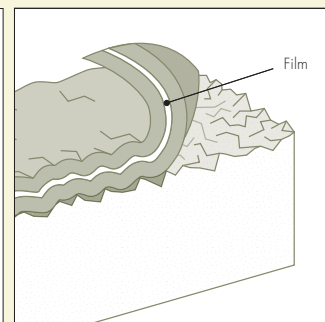
Sekisui Alveo recommends the use of products from the Alveolit TEE 0400-series as carriers for fixation tapes. These products are available from 200 µm onwards.



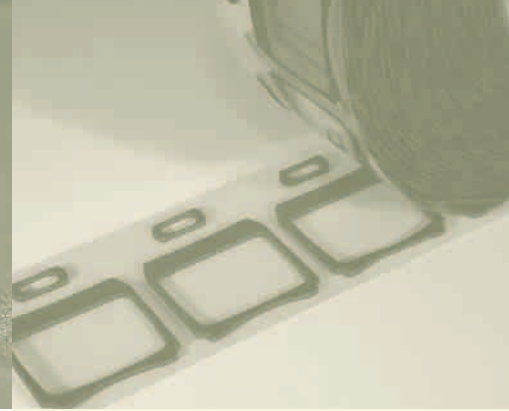
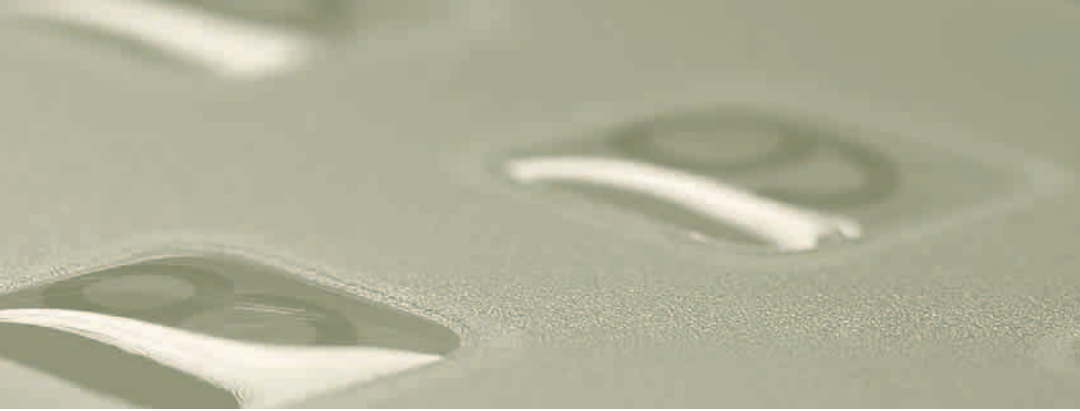
Cover fixation



a) Foam-tape  
(Low coating weight)



b) Film-tape  
(High coating weight)



# Sealing tapes

Closed cell Alveolit foams show excellent sealing performance at low compression rates. They only require 20% compression for good sealing. Open cell materials like polyurethane require significantly more compression to achieve similar sealing performance.

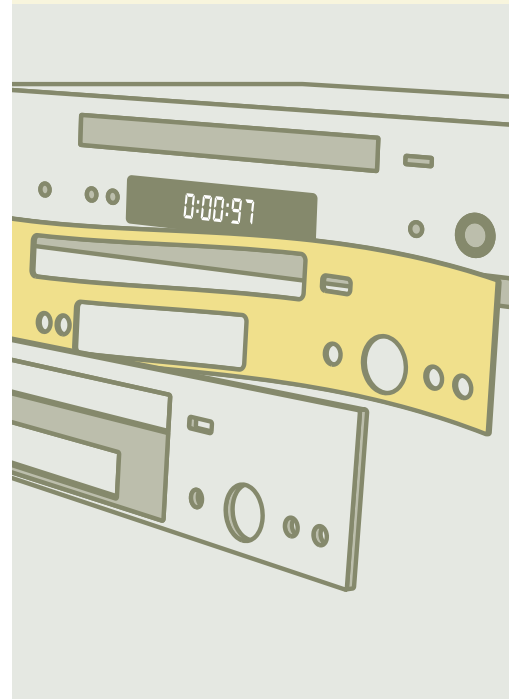
## Benefits of Alveolit foam

- > Superior conformability and flexibility for uneven surfaces and tolerances
- > Spring-like recovery and low compression set
- > Vibration dampening
- > Easy conversion without reinforcement film
- > Cost efficient alternative to polyurethane foam

## Products

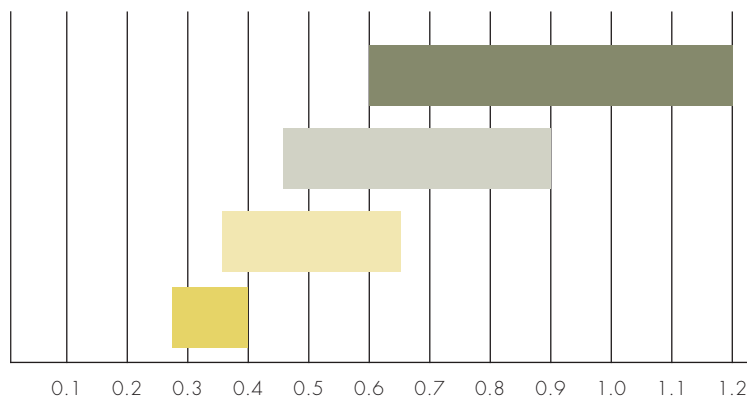
Sekisui Alveo recommends the use of products from the Alveolit T69 22H-series for sealing tapes. The product selector below has been designed to assist in choosing the right T69 22H grade for your sealing application.

Mobile phone sealing



DVD front fixation

Alveolit T69 22H product selector



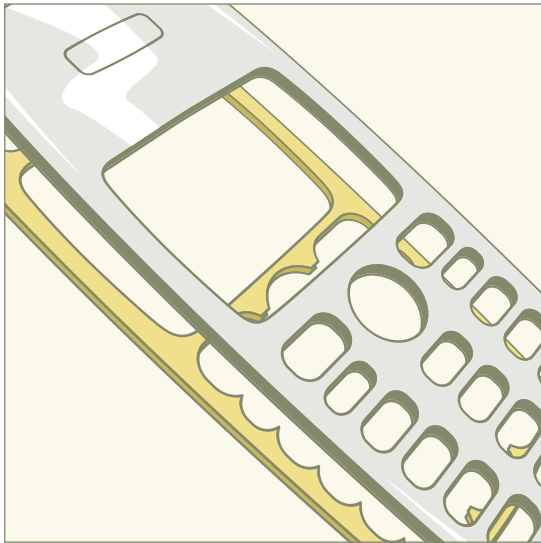
Gap width (mm)

- Alveolit T69 22H-F  
Thickness: 0.5 mm
- Alveolit T69 22H-M  
Thickness: 0.8 mm
- Alveolit T69 22H-S  
Thickness: 1.1 mm
- Alveolit T69 22H-S  
Thickness: 1.5 mm

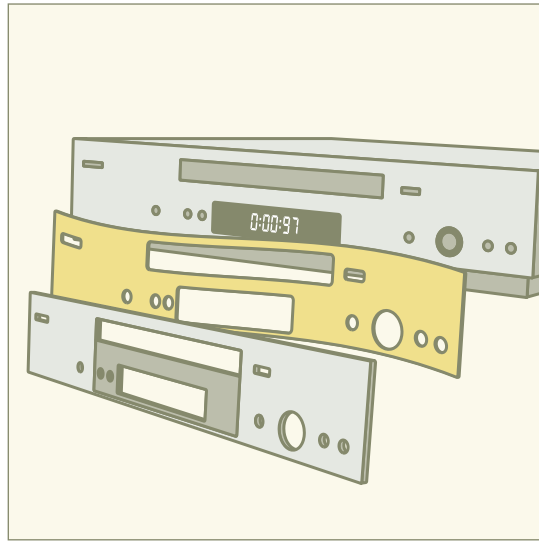


## Potential applications

### Fixation

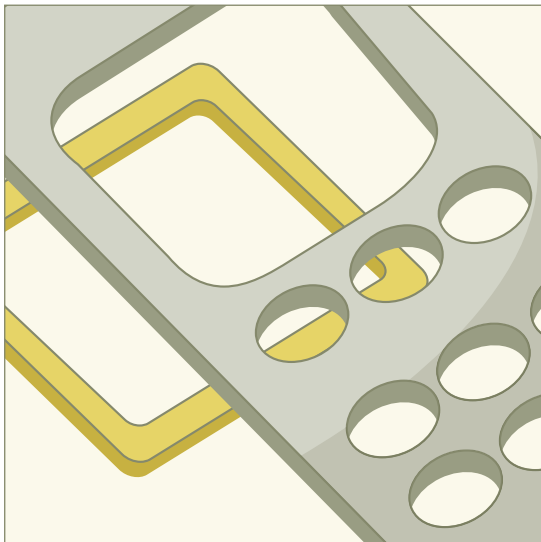


Cover fixation

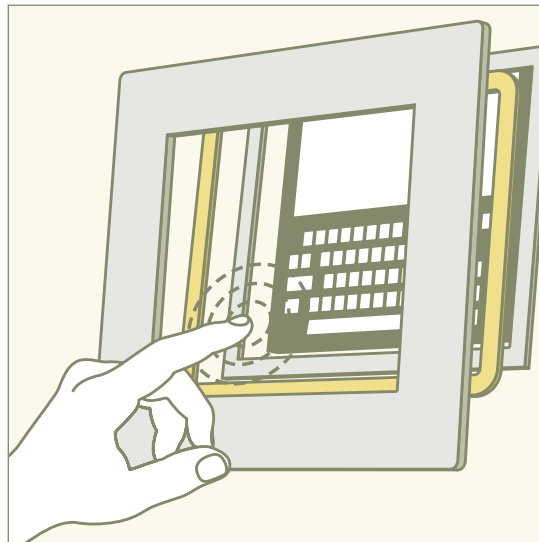


DVD front fixation

### Sealing



LCD sealing



Touchscreen sealing

### Head office:

SEKISUI ALVEO AG | Bahnhofstrasse 7 | Postfach 2068 | CH-6002 Luzern  
Tel. +41 (0)41 228 92 92 | Fax +41 (0)41 228 92 00 | info@SekisuiAlveo.com  
[www.SekisuiAlveo.com](http://www.SekisuiAlveo.com)

Alveo®, Alveolit®, Alveolen®, Alveolux® and Alveo®-Soft are registered trademarks of Sekisui Alveo AG. The information contained herein is correct to the best of our knowledge and is given in good faith. Sekisui Alveo AG assumes no liability for this information. This information implies no warranty or freedom from patent protection. © Sekisui Alveo AG, Luzern, Switzerland. All rights reserved. No part of this document may be copied or distributed without the express written consent of Sekisui Alveo AG.

