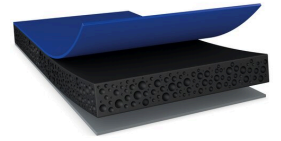




# tesa® ACXplus 76730 Box Seal



## Product Information

2.8 mm single sided acrylic foam tape for box sealing applications e.g. in battery packs

## Product Description

tesa® ACX<sup>plus</sup> 76730 Box Seal is a deep black single sided acrylic foam tape used for reliable sealing of box lids. Its temporarily passivated side enables reopening of boxes shortly after application for checks and reworking. Over time, the passivation abates, guaranteeing a reliable sealing of the bond.

The product resists external influences and weather to protect the inside of the pack as it securely seals the pack against the ingress of water, moisture, and other substances.

Our new PSA based Box Seal does not need any curing time, thus enabling to reduce process time to a minimum and to optimize production efficiency. In addition to that there are low limitations for outer application conditions such as temperature or humidity compared to other technologies.

Its outstanding compressibility allows not only for gap filling but also ensures reliable sealing properties. The tape can be used as die-cuts and due to the high flexibility also be automatically applied from rolls or spools in geometries even with narrow curves, while sealing properties can still be ensured.

With its viscoelastic properties, tesa® ACX plus 76730 Box Seal absorbs and dissipates dynamic and static loads as well as stresses caused by material combinations with different coefficients of expansion at fast changing temperatures.

The deep black color provides an enhanced appearance and high design flexibility.

## Product Features

- High flexibility to ensure perfect sealing as well as applicability in designs with narrow curves
- Efficient and secure bonding of PSA layer and box case or lid
- Extremely high compressibility to enable gap filling and sealing
- No curing time needed

For latest information on this product please visit <http://l.tesa.com/?ip=76730>



# tesa® ACXplus 76730 Box Seal

## Product Information

### Product Features

- Allows for easy reopening during and shortly after production
- PFAS / PFOS free product
- Closed cell acrylic foam core for reliable sealing to prevent liquid penetration
- High humidity resistance
- High temperature resistance
- Flame resistant

### Application Fields

tesa® ACX<sup>plus</sup> 76730 Box Seal has been developed for permanent sealing of boxes such as battery packs in electric vehicles. It can be used for lids on top of the battery pack or the direct mounting of the box to the car underbody.

### Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

### Product Construction

- |                    |                       |                   |            |
|--------------------|-----------------------|-------------------|------------|
| • Backing material | PU film               | • Colour          | deep black |
| • Type of adhesive | acrylic               | • Colour of liner | blue       |
| • Type of liner    | PE/PP protection film |                   |            |

### Product Assortment

- |                         |        |
|-------------------------|--------|
| • Available thicknesses | 2.8 mm |
|-------------------------|--------|

### Properties/Performance Values

- |                       |                 |                            |           |
|-----------------------|-----------------|----------------------------|-----------|
| • Chemical resistance | very good       | • Humidity resistant       | very good |
| • Conformability      | very good       | • Suitable for die cutting | yes       |
| • Flame resistance    | does not ignite | • Temperature resistance   | very good |

### Adhesion to Values

- |                   |        |
|-------------------|--------|
| • Steel (initial) | 5 N/cm |
|-------------------|--------|

### Additional Information

- Compression: 20%-80%
- Gap filling: 2,2 mm – 0,6 mm
- Sealing properties: IPX7 (sufficient compression must be ensured)
- Flame resistance: 1050 °C (for 5 minutes between two aluminum substrates)

For latest information on this product please visit <http://l.tesa.com/?ip=76730>



# tesa<sup>®</sup> ACXplus 76730 Box Seal

Product Information

## Disclaimer

tesa<sup>®</sup> products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa<sup>®</sup> product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



For latest information on this product please visit <http://l.tesa.com/?ip=76730>