

# tesa® 4648

## Product Information



Repairing tape for silage cover films

### Product Description

The single-sided tape tesa® 4648 is designed with a black, UV-stabilized polyethylene film and coated with a pressure sensitive adhesive based on natural rubber. The rubber adhesive ensures a quick bonding to a variety of substrates and also the tape itself.

It is UV and water resistant for up to twelve months and can be torn by hand so that no further tools are needed. Our tape is based on halogen-free PE film in order to facilitate the recycling process of silage films after end of life, having been tested successfully in industrial recycling processes. tesa® 4648 is an ideal solution to repair damaged silage films.

### Sustainable Aspects



For more information: <https://www.tesa.com/product-sustainability>

### Product Features

- Instant bond at temperatures above freezing - ready for use all year round
- Can be torn by hand for hassle-free sealing
- Robust product design withstands up to twelve months of outdoor weather conditions
- Made of PE film to facilitate recycling after end of life
- The tape is halogen free (according to IEC 61249-2-21)

### Application Fields

- Repairing and sealing of damaged silage cover films

### 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          | PE film        | • Total thickness | 120 µm |
| • Type of adhesive | natural rubber |                   |        |

# tesa® 4648

## Product Information



### Properties/Performance Values

- |                          |         |                                  |          |
|--------------------------|---------|----------------------------------|----------|
| • Elongation at break    | 400 %   | • Lowest application temperature | 0 °C     |
| • Tensile strength       | 20 N/cm | • Operation temperature up to    | 60 °C    |
| • Ageing resistance (UV) | good    | • Tack                           | good     |
| • Hand tearability       | yes     | • UV-resistance                  | 52 weeks |
| • Humidity resistance    | yes     | • Water resistance               | yes      |

### Adhesion to Values

- |                |          |         |          |
|----------------|----------|---------|----------|
| • Backing      | 1.5 N/cm | • Steel | 2.2 N/cm |
| • PE (initial) | 1.5 N/cm |         |          |

### Disclaimer

tesa® 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® 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.