



# 51445 PV11



## Product Information

Repulpable, single-sided splicing tape

## Product Description

tesa® 51445 CaRes® is a single-sided repulpable splicing tape with liner consisting of a flat-back paper and a modified water soluble acrylic adhesive.

tesa® 51445 CaRes® features especially:

- Very high shear strength
- Very good adhesion values on coated paper
- Good adhesion values on uncoated paper
- Low splice thickness
- Very high heat resistance
- Printable and coatable backing
- Good repulpability over full pH-range (pH3 –pH9)
- Good resistance against calcium carbonate (CaCO<sub>3</sub>)

Colour: Blue

## Product Features

- The patented calcium resistant adhesive (CaRes) for a maximised life time of permanent splices on papers containing calcium carbonate (CaCO<sub>3</sub>)
- Thin but strong backing to allow a low total splice thickness
- Printable and coatable backing for easy further processing
- Very high shear strength
- Very high heat resistance
- Very good adhesion values on most paper grades
- tesa CaRes® 51445 is certified by independent laboratories for: Repulpability according to TAPPI UM-213 over full pH-range (pH3 – pH9). Resistance against calcium carbonate (CaCO<sub>3</sub>) according to PTS 302/13
- Paper from well-managed certified forests and other controlled sources

## Applications

tesa® 51445 CaRes® is particularly suitable for:

- Manual permanent butt splicing
- Use in automatic butt splice applicators



# 51445 PV11

## Product Information

### Technical Information (average values)

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

### Applications

- |                    |                              |                   |       |
|--------------------|------------------------------|-------------------|-------|
| • Backing          | flat paper                   | • Total thickness | 80 µm |
| • Type of adhesive | recyclable tackified acrylic | • Color           | blue  |
| • Type of liner    | recyclable siliconised paper |                   |       |

### Properties/Performance Values

- |                                   |           |                                |         |
|-----------------------------------|-----------|--------------------------------|---------|
| • Elongation at break             | 6 %       | • Tack                         | medium  |
| • Shelf life time (packed) < 25°C | 12 months | • Tensile strength (crosswise) | 30 N/cm |
| • Static shear resistance         | very good |                                |         |

### Additional Information

Other products for butt-splicing:

- tesa® 51444 - reduced thickness for thinner splices
- tesa® 51455 - slit liner for easier manual splice application
- tesa® 51465 - slit liner and splitting strip for secure tape fixation during the manual splice preparation
- tesa® 61445 - black backing for optical detection

### 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.



For latest information on this product please visit <http://l.tesa.com/?ip=51445>