



51445 PV11



Product Information

Repulpable, Single-Sided Splicing Tape

Product Description

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

tesa® 51445 features:

- 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 pH-range: pH3 –pH9

Colour: Blue

Product Features

- The patented calcium resistant adhesive (CaRes) for a maximised life time of permanent splices on papers containing calcium carbonate (CaCO₃)
- 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 (CaCO₃) according to PTS 302/13
- Paper from well-managed certified forests and other controlled sources

Application Fields

tesa® 51445 is particularly suitable for:

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



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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 | flat paper | • Total thickness | 80 µm |
| • Type of adhesive | recyclable tackified acrylic | • Colour | 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

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