



tesa® 4646

Product Information



Greenhouse Repairing Tape

Product Description

The single-sided tape is designed with a transparent, UV-stabilized polyethylene film and coated with a transparent pressure sensitive adhesive based on an acrylic polymer.

Product features:

- Efficient application with a high initial bonding on greenhouse film
- Excellent weather & UV resistance for at least 12 months
- Durable and protective

Product Features

- Efficient application with a high initial bonding on greenhouse film
- Durable and protective
- Excellent weather & UV resistance for at least 12 months

Application Fields

- Repairing of damaged greenhouse films
- Nearly invisible, transparent tape for permanent use
- Designed for outdoor applications

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 | 180 µm |
| • Type of adhesive | acrylic | | 7.1 mils |
| | | • Thickness of tape | 180 µm |
| | | | 7.1 mils |

Properties/Performance Values

- | | | | |
|-----------------------|-------------|-------------------------------|-----------|
| • Elongation at break | 1000 % | • Operation temperature up to | 60 °C |
| • Tensile strength | 45 N/cm | | 140 °F |
| | 25.7 lbs/in | • Tack | good |
| • Abrasion resistance | good | • UV-resistance | 52 weeks |
| • Humidity resistance | very good | • Water resistance | very good |

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Adhesion to Values

• PE (initial)	2.1 N/cm 19.2 oz/in	• Steel	4.4 N/cm 40.2 oz/in
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