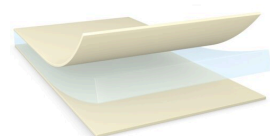




tesa® 69301

Product Information



25µm UV-curable optically clear tape

Product Description

tesa® 69301 is a highly transparent transfer tape produced under controlled clean room conditions and designed for optical clear lamination. It is a UV-curable tape which can be cured under UVA and UVV (<410nm) wavelength.

Product Features

- Very good ink step coverage
- Highest bonding strength (peel, tensile, shock)
- Excellent reliability & bubble suppression
- Can be cured through plastic and polarizers

Application Fields

- Optically clear lamination of displays to cover glass
- Optically clear lamination of plastics
- Suitable for thinnest design gaps

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 | none | • Colour of liner | transparent |
| • Type of adhesive | acrylic | • Thickness of liner (easy release) | 50 µm |
| • Type of liner | PET | • Thickness of liner (tight release) | 75 µm |
| • Colour | transparent | • Thickness of tape | 25 µm |

Properties/Performance Values

- | | | | |
|--------------------------|-----------|---------------------------------|-------|
| • Ageing resistance (UV) | very good | • Refractive index | 1.47 |
| • Dielectric constant | 5.74 | • Release of liner - inside | easy |
| • Gap filling | 40 % | • Release of liner - outside | tight |
| • Haze < | 0.5 % | • Transmittance (380 - 780nm) > | 99 % |
| • Humidity resistance | very good | | |

Adhesion to Values

- | | | | |
|---------------------------|-----------|-------------------------------|----------|
| • Glass (initial) | 3 N/cm | • PET (after UV curing) | 4.4 N/cm |
| • Glass (after UV curing) | 9.4 N/cm | • PMMA (after UV curing) | 6.6 N/cm |
| • PC (after UV curing) | 11.6 N/cm | • Polarizer (after UV curing) | 7 N/cm |

For latest information on this product please visit <http://l.tesa.com/?ip=69301>



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Product Information

Additional Information

- Recommended curing dosage: 3000mJ per cm² (UVA 365nm) on adhesive surface.
- Also possible to cure with 405nm LED.

Disclaimer

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