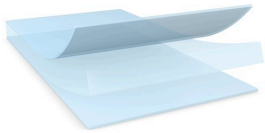
tesa® 69302

Product Information



50µm UV-curable optically clear tape

Product Description

tesa® 69302 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	50 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	WVTR (38°C, 90%RH)	1420 g/sqm*d

Adhesion to Values

Glass (initial)	3 N/cm	PET (after UV curing)	4.8 N/cm
Glass (after UV curing)	10.8 N/cm	PMMA (after UV curing)	6.8 N/cm
PC (after UV curing)	12.4 N/cm	Polarizer (after UV curing)	7.7 N/cm

For latest information on this product please visit http://l.tesa.com/?ip=69302

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Product Information

Additional Information

- Recommended curing dosage: 3000mJ per cm^2 (UVA 365nm) on adhesive surface.
- Also possible to cure with 405nm LED.

Disclaimer

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