



tesa[®] 69802

Optically Clear Adhesive

Product Information

Product Description

tesa[®] 69802 is a UV-curable optically clear display tape designed for lamination of plastic substrates

Special features:

- * Excellent suppression of bubbles even in harsh environments
- * Superb gap filling performance
- * Excellent temperature, humidity and UV resistance
- * Very high bonding strength
- * Smooth and easy liner removal
- * High transmittance and low haze
- * Produced under clean room environment

Application Fields

- Special solution for optically clear lamination of plastic substrates
- * Lamination of films to rigid substrates or lamination of two rigid substrates
- * Bonding of displays to cover glass or touch panel
- * Automotive electronic displays using PC, PMMA



tesa® 69802

Optically Clear Adhesive

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.

Product Construction

• Backing	none	• Color of liner	transparent
• Type of adhesive	pure acrylic	• Thickness of easy release liner	50 µm 2 mils
• Type of liner	PET	• Thickness of tape	50 µm 2 mils
• Color	transparent	• Thickness of tight release liner	75 µm 3 mils

Properties/Performance Values

• Ageing resistance (UV)	good	• Refractive index	1.48
• Haze	0.2 %	• Tack	good
• Humidity resistance	good	• Transmittance (380 - 780nm) >	99 %

Adhesion to Values

• Glass (initial)	7.5 N/cm 68.5 oz/in	• PET (initial)	6.1 N/cm 55.7 oz/in
• Glass (after UV curing)	8.5 N/cm 77.7 oz/in	• PET (after UV curing)	6.7 N/cm 61.2 oz/in
• PC (initial)	7.8 N/cm 71.3 oz/in	• PMMA (initial)	7.5 N/cm 68.5 oz/in
• PC (after UV curing)	8.7 N/cm 79.5 oz/in	• PMMA (after UV curing)	7.7 N/cm 70.3 oz/in

Additional Information

- Please refer to our UV curing technical bulletin for best results

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.