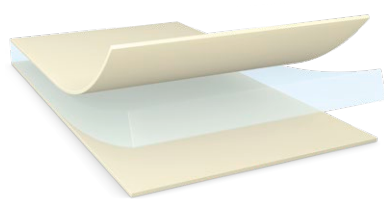
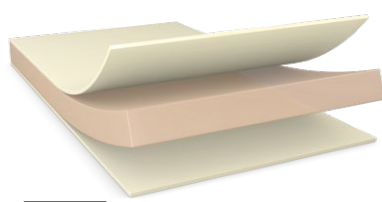


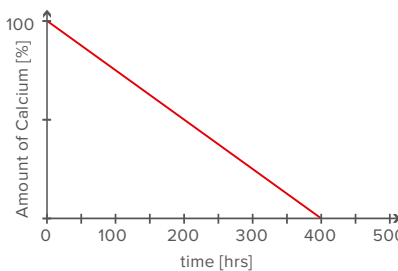
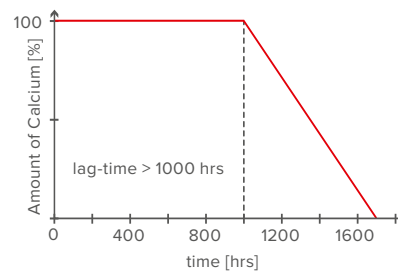
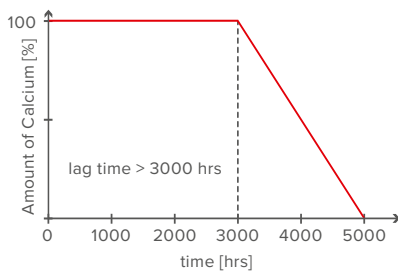


OPTICALLY CLEAR LAMINATION WITH MOISTURE CONTROL

Solutions for Optically Clear Lamination of Moisture Sensitive Substrates

General features:

- Excellent optical properties
- Suitable for rigid and flexible OLEDs
- Superior barrier performance
- Silver nanowire compatible
- Low and stable dielectric constant

		Barrier tapes		
		tesa® 6156x series	tesa® 6150x series	tesa® 6153x series
Product series				
				
Thickness range*		25-50 µm	15-50 µm	25-50 µm
Adhesion system		PSA (Pressure Sensitive Adhesive)	UV-curable adhesive	PSA (Pressure Sensitive Adhesive)
Calcium test with 6.5 mm edge width/test conditions 60°C/95% r.h./covered with glass on both sides				
Barrier performance				
Special features		<ul style="list-style-type: none"> • High barrier performance • Suitable for flexible and rigid devices • Good optical properties • Silver nanowire compatibility • Corrosion resistant • Low dielectric constant 	<ul style="list-style-type: none"> • Excellent lag-time • Suitable for flexible and rigid devices • Excellent optical properties • Superb gap filling performance • Very high bonding strength • No outgassing 	<ul style="list-style-type: none"> • Superior lag time • High bonding strength • Rear-side encapsulation with lamination of rigid or flexible substrates • Encapsulation of sensitive displays (e.g. OLED) • Color: beige

SOLUTIONS FOR OPTICALLY CLEAR LAMINATION

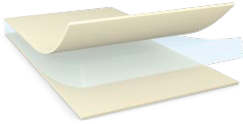
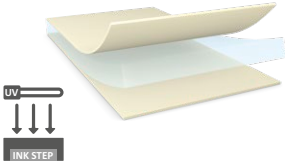
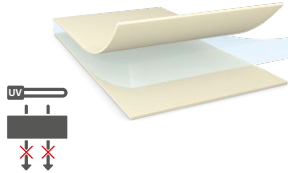
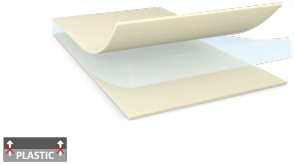
Our Extended Expertise in the Display Market Enables Us to Meet the Highest Requirements for Optically Clear Bonding of Displays



General features:

- High transmission and low haze
- Excellent whitening resistance
- Excellent temperature, humidity, and UV resistance
- Smooth and easy liner removal
- Acid-free

Optically clear adhesive tapes

	Standard lamination		Special features	
	tesa® 6940x Elastic/Hard	tesa® 6960x UV curable	tesa® 6920x UV blocking	tesa® 6980x Outgassing resistant
Product series				
Thickness range*	25–200 µm	25–200 µm	50–200 µm	50–200 µm
Special features	<ul style="list-style-type: none"> • Balanced lamination and converting performance • High bonding strength 	<ul style="list-style-type: none"> • Superb gap-filling performance • Excellent suppression of delay bubbles even in harsh environments • Very high bonding strength • UV Curable 	<ul style="list-style-type: none"> • Blocking of UV light • Very good bubble stability • High bonding strength • Balanced lamination and converting performance 	<ul style="list-style-type: none"> • UV Curable • Suppression of outgassing bubbles from plastic substrates • Very high bonding strength
Application examples	<ul style="list-style-type: none"> • Optically clear lamination of films to rigid or flexible substrates • Bonding of touch panels to cover lens 	<ul style="list-style-type: none"> • Optically clear lamination of two rigid substrates • Bonding of rigid touch panels to cover lens • Bonding of displays to cover lens or touch panels 	<ul style="list-style-type: none"> • Optically clear lamination of rigid to flexible substrates • Bonding of touch panels to cover lens • Bonding of displays to touch panels • Outdoor and wearable displays 	<ul style="list-style-type: none"> • Optically clear lamination of plastic substrates • Bonding of displays to plastic covers • Automotive displays

* Certain thicknesses are not standard products, but samples are available.

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore 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. 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.