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

<table>
<thead>
<tr>
<th>Product series</th>
<th>Thickness range*</th>
<th>Adhesion system</th>
<th>Barrier performance</th>
<th>Special features</th>
</tr>
</thead>
<tbody>
<tr>
<td>tesa® 6156x series</td>
<td>25-50 μm</td>
<td>PSA (Pressure Sensitive Adhesive)</td>
<td>High barrier performance</td>
<td>• High barrier performance</td>
</tr>
<tr>
<td>tesa® 6150x series</td>
<td>15-50 μm</td>
<td>UV-curable adhesive</td>
<td>Excellent lag-time</td>
<td>• Excellent lag-time</td>
</tr>
<tr>
<td>tesa® 6153x series</td>
<td>25-50 μm</td>
<td>PSA (Pressure Sensitive Adhesive)</td>
<td>Superb gap filling performance</td>
<td>• Superb lag time</td>
</tr>
</tbody>
</table>

Calcium test with 6.5 mm edge width/test conditions 60°C/95% r.h./covered with glass on both sides.
**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 temperature, humidity, and UV resistance
- Excellent whitening resistance
- Smooth and easy liner removal
- Acid-free

### Optically clear adhesive tapes

<table>
<thead>
<tr>
<th></th>
<th>Standard lamination</th>
<th>Special features</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product series</strong></td>
<td>tesa® 6940x</td>
<td>tesa® 6960x</td>
</tr>
<tr>
<td><strong>Elastic/Hard</strong></td>
<td>25–200 µm</td>
<td>tesa® 6920x</td>
</tr>
<tr>
<td><strong>UV curable</strong></td>
<td>25–200 µm</td>
<td>tesa® 6980x</td>
</tr>
<tr>
<td><strong>UV blocking</strong></td>
<td>50–200 µm</td>
<td><strong>Outgassing resistant</strong></td>
</tr>
</tbody>
</table>

#### Special features:
- Balanced lamination and converting performance
- High bonding strength
- Superb gap-filling performance
- Excellent suppression of delay bubbles even in harsh environments
- Very high bonding strength
- UV Curable
- Blocking of UV light
- Very good bubble stability
- High bonding strength
- Balanced lamination and converting performance
- UV Curable
- Suppression of outgassing bubbles from plastics substrates
- Very high bonding strength
- Optically clear lamination of films to rigid or flexible substrates
- Bonding of touch panels to cover lens
- Optically clear lamination of two rigid substrates
- Bonding of rigid touch panels to cover lens
- Bonding of displays to cover lens or touch panels
- 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
- 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.

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