Printing materials E-2301RC

Features
- Printing materials for UV curable inkjet printers
- Transparent polyester film
- It is suitable for window display applications.
- It uses a pressure-sensitive removable adhesive
- It uses ultra-smooth release paper.
- Indoor application only

Applications
For indoor applications

Standard sizes
1,400mm × 30m rolls

Product configuration

Properties

<table>
<thead>
<tr>
<th>Test items</th>
<th>Unit</th>
<th>Properties</th>
<th>Test panel</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive strength 30 minutes after adhering</td>
<td>N/25mm</td>
<td>0.6</td>
<td>Stainless</td>
<td>LINTEC method</td>
</tr>
<tr>
<td>Adhesive strength 24 hours after adhering</td>
<td>N/25mm</td>
<td>0.7</td>
<td>Stainless</td>
<td>LINTEC method</td>
</tr>
<tr>
<td>Adhesive strength 30 minutes after adhering</td>
<td>N/25mm</td>
<td>0.9</td>
<td>Glass</td>
<td>LINTEC method</td>
</tr>
<tr>
<td>Adhesive strength 24 hours after adhering</td>
<td>N/25mm</td>
<td>1.1</td>
<td>Glass</td>
<td>LINTEC method</td>
</tr>
<tr>
<td>Ball tack</td>
<td>No.</td>
<td>5</td>
<td>—</td>
<td>J.Dow method</td>
</tr>
<tr>
<td>Holding strength</td>
<td>Second</td>
<td>NC 30000</td>
<td>Stainless</td>
<td>LINTEC method</td>
</tr>
</tbody>
</table>

LINTEC method

- Adhesive strength test method:
  - Test instrument: load-cell tensile tester, release angle: 180°
  - Test conditions: 23°C 50%RH, release speed: 300 mm/min
  - One round trip with a rubber roller of 2kg adhesion pressure
  - Test panel: Stainless panel (SUS304 #360 polishing finish)
  - Float glass

- Holding strength test method:
  - Angle: 0°, test conditions: 40°C, adhesion area: 25 mm × 25 mm,
  - Five round trips with a rubber roller of 2kg adhesion pressure, still load: 9.8N
  - Test panel: Stainless panel (SUS304 #360 polishing finish)

- B: Base material failure
- C: Conhesion failure
- A: Adhesive transfer
- Zip: zipping
- NC: No creep
**Film properties**

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile strength</td>
<td>MD</td>
<td>N/25mm</td>
</tr>
<tr>
<td></td>
<td>CD</td>
<td>N/25mm</td>
</tr>
<tr>
<td>Tensile expansion rate</td>
<td>MD</td>
<td>%</td>
</tr>
<tr>
<td></td>
<td>CD</td>
<td>%</td>
</tr>
</tbody>
</table>

**Optical properties**

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultraviolet ray transmission</td>
<td>%</td>
<td>75.9</td>
</tr>
<tr>
<td>Visible light transmission</td>
<td>%</td>
<td>90.5</td>
</tr>
</tbody>
</table>

**Precautions**

- **Numerical values in this data sheet are based on the results of our tests, and are not guaranteed.** Please verify performance in advance according to your application.
- **Use the product within one year of purchase.**
- **To use for joints and the same surface, use the same lot.**
- **This film is for indoor use only.**
- **Please consult with us if you wish to use the product for special applications.**

**Storage methods**

- Avoid high temperature, low temperature and humidity for storage. Be sure to put this product in a bag, and hang it in the air.
- Make sure that it is not exposed to direct sunlight.
- Prevent it from being exposed to fluorescent light at close range.
- Recommended ambient temperature: 10°C-30°C, humidity: 70%RH or less
  - The adhesive strength and holding strength become lower at low temperature or high temperature, and it is detached easily.
- Avoid contact with water, chemicals, and shock.

**Precautions for output and processing**

- Do not touch the output surface of media directly with your hand. Sebum, oil, dirt, and scratches may lower print quality.
- Use the product as early as possible after opening.
- Output quality may differ depending on the type of printers to be used and print conditions. We recommend testing it be checked in advance.

**Precautions for install**

- Install ambient temperature: 10°C-40°C
  - Install at high temperature may raise the initial adhesive strength and soften products.
- Operating temperature: -30°C-80°C
- Please be fully aware of an install with soapy water. You may have difficulties in removing remaining water from the substrate and pressure-sensitive surface depending on the temperature and humidity conditions, and be unable to achieve sufficient adhesive strength. This may cause raising and detaching.
- Adhesive strength may not be achieved sufficiently depending on the properties of test panels, and raising and detaching may occur.
  - Please check in advance.
- Adhesive strength may not be fully achieved immediately after adhering.
- The adhesive strength may not be achieved fully for install on a substrate where condensation tends to form.
- Avoid install on window films.
Test panel

<table>
<thead>
<tr>
<th>Test panel</th>
<th>Install</th>
</tr>
</thead>
<tbody>
<tr>
<td>PP/PE/Fluorine</td>
<td>* 1</td>
</tr>
<tr>
<td>ABS</td>
<td>○</td>
</tr>
<tr>
<td>PET</td>
<td>○</td>
</tr>
<tr>
<td>FRP</td>
<td>○</td>
</tr>
<tr>
<td>Acrylic resin</td>
<td>* 2</td>
</tr>
<tr>
<td>Polycarbonate</td>
<td>* 2</td>
</tr>
<tr>
<td>PVC</td>
<td>* 3</td>
</tr>
<tr>
<td>Tent materials</td>
<td>* 3</td>
</tr>
<tr>
<td>Glass General</td>
<td>* 4</td>
</tr>
<tr>
<td>Mesh included</td>
<td>* 4</td>
</tr>
</tbody>
</table>

Removable performance

- A removable pressure-sensitive adhesive is a pressure-sensitive adhesive suitable for detaching after a certain period of time.
- Removable performance differs depending on the adhering period and the type of test panel, and ambient conditions.
  
  We recommend that test should be conducted in advance.
- Substrates needed for prior removable test
  - PVC films/panels
  - Deteriorated coating substrates
  - Substrates where the adhering facilitation process is applied
  - Substrates where base material failure may occur (paper, plaster boards, etc.)

- If you have questions about our products, please contact us.
- This sheet provides product information and information about the environment and safety, and does not guarantee performance or quality.
- Product specifications and appearance are subject to change without notice for the purpose of improvement.