PHOSPHORESCENT POLYESTER
PERMANENT ADHESIVE

A 2.0 mil light green print-treated polyester film with 207-4841 pigmented permanent acrylic pressure sensitive adhesive on a 90# layflat liner. This film is designed to accept a variety of UV curable and solvent-based screen inks. May also be used with flexographic, offset and letterpress inks but must be tested prior to use.

**Applications**

Product identification markings, decorative decals and name-plates.

Note: Phosphorescent film may not meet state and local codes for use as safety film in your area. Check local regulations.

**Thickness**

<table>
<thead>
<tr>
<th>Material</th>
<th>Thickness Variation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Film &amp; Phosphorescent Coating</td>
<td>4.0 to 4.5 mils.</td>
</tr>
<tr>
<td>Adhesive</td>
<td>1.4 to 1.6 mils.</td>
</tr>
<tr>
<td>Liner</td>
<td>6.7 mils.</td>
</tr>
<tr>
<td>(Thickness variation +/- 10%)</td>
<td></td>
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</tbody>
</table>

**Dimensional Stability**

Excellent.

**Temperature Ranges**

Minimum application temperature: +50°F.

Service temperature range: -40°F to +250°F.

**Expected Lifetime Exterior**

Not recommended for outdoor use.

**Adhesion**

To stainless steel: 45 oz/inch.

PSTC-101 Method A with 24 hour dwell at 70°F and 50% relative humidity. Typical values. Individual values may vary. Test thoroughly before production.

**Light Exposure for Maximum Brightness**

<table>
<thead>
<tr>
<th>Environment</th>
<th>Brightness Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunlight, Clear</td>
<td>5 minutes</td>
</tr>
<tr>
<td>Office Fluorescent</td>
<td>15 minutes</td>
</tr>
<tr>
<td>Sunlight, Cloudy</td>
<td>5 minutes</td>
</tr>
<tr>
<td>Home Fluorescent</td>
<td>30 minutes</td>
</tr>
</tbody>
</table>

**Peak Emission Wave Length**

530 nm

**Afterglow Brightness**

20-30 mcd/m²

Brightness after 20 min. excitation with D65 illuminant for 4 min @ 200lx.

**Afterglow to Conditioned Eye**

Up to 200 minutes

Time span necessary for afterglow to diminish to .32 mcd/m². Human eye perception limit.

**Water Resistance**

Excellent.

**Humidity Resistance**

Excellent.

**Storage Stability**

1 year shelf life when stored at 70°F and 50% relative humidity.

**Product Code**

C2-PHOS-STC-P/90#