

## 7242 Series | Lumina Intermediate Calendered

Lumina series 7242 is an Intermediate grade calendered vinyl film designed for printing general purpose graphics, signage and decals requiring medium-term durability.

**Film Technology** | Calendered (PVC)

**Film Thickness** | 3.4 mil

**Color** | Clear

**Outdoor Durability** | 5 years

**Finish** | Gloss White (002), Matte White (049), Luster Clear (100)

**Blockout** | No

**Adhesive** | Permanent / Clear

**Liner** | 90#

**Conformability** | Flat/Simple Curves

**Shelf Life** | 1 Year

<u>CUTTING</u>	<u>PRINTING</u>	<u>INSTALLATION</u>
<b>Computer Cut</b>   Yes <b>Steel Rule</b>   Yes <b>Thermal Die</b>   Yes <b>Flat Bed</b>   Yes <b>Sheetable</b>   Yes <b>Laminate</b>   Yes / Cold	<b>Thermal Transfer</b>   No <b>Solvent</b>   Yes <b>Eco-Solvent</b>   Yes <b>Latex</b>   Yes <b>UV</b>   Yes <b>Screen</b>   Yes	<b>Wet Apply</b>   No <b>Min. App. Temp.</b>   40°F <b>Interior / Exterior</b>   Yes

<p><b><u>FILM</u></b></p> <ul style="list-style-type: none"> <li>• <b>Film Thickness</b>__ (mils/μm) 3.0 / 76 (+/- 10%)</li> <li>• <b>Film Weight</b>__ (gsm) 104</li> <li>• <b>Gloss</b>__ 60° Reflection (80 Gloss, Matte 20 Units)</li> <li>• <b>Opacity</b>__ (%) 94</li> <li>• <b>Tensile Strength</b>__ (lbs/in) MD &gt; 3500 / CD &gt; 3500</li> <li>• <b>Elongation</b>__ (%) MD &gt; 200 / CD &gt; 200</li> <li>• <b>Dimensional Stability</b>__ (FTM 14) MD &lt; 1.80 mm / CD &lt; 1.00 mm</li> </ul>	<p><b><u>ADHESIVE</u></b></p> <ul style="list-style-type: none"> <li>• <b>Adhesive Type</b>__ Emulsion Acrylic</li> <li>• <b>Adhesive Thickness</b>__ (mils/μm) .08-1.0 / 20-25</li> <li>• <b>Adhesive Color</b>__ Clear</li> <li>• <b>Peel Strength</b>__ (lbs/in) (N/25mm) 24 hrs 4.0 / 18</li> </ul>
<p><b><u>LINER</u></b></p> <ul style="list-style-type: none"> <li>• <b>Liner Weight</b>__ (#/gsm) 90 / 145</li> <li>• <b>Liner Type</b>__ White 2-Sided PE Coated Kraft</li> <li>• <b>Liner Thickness</b>__ (mils/μm) 6.7 / 170</li> <li>• <b>Release Force</b>__ @ 360" / min (g/2") 10-25</li> </ul>	<p><b><u>PERFORMANCE GUIDANCE</u></b></p> <ul style="list-style-type: none"> <li>• <b>Application Temp.</b>__ On clean, dry substrate &gt; +40 °F</li> <li>• <b>Service Temp.</b>__ -40 °F to 180 °F</li> <li>• <b>Shelf Life</b>__ up to 1 year</li> <li>• <b>Storage Temp. / Rel. Humidity</b>__ 70°F (21°C) and 50% relative humidity</li> <li>• <b>Outdoor Durability</b>__ up to 5 years</li> </ul>

NOTE - For further information regarding printing, substrate cleaning, application, maintenance, durability, and removal please review the corresponding instructional bulletin available at [fdcfilms.com](http://fdcfilms.com).

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