

### 7028 Series | Laminate: Premium Cast Conformable Laminate

Lumina® 7028 Series is a premium grade cast vinyl laminate designed for use on cast vinyl films. It provides protection from UV exposure, chemicals, and abrasion, with long term durability and conformability. Series 7028 is warranted for use with Series 7128 Print Media in wrap applications.

**Film Technology** | Cast (PVC)

**Film Thickness** | 2 mil

**Color** | Gloss Clear (000), Matte Clear (200)

**Outdoor Durability** | Up to 7 Years

**Finish** | Gloss/Matte

**Blockout** | No

**Adhesive** | Permanent/Clear

**Liner** | 78#

**Conformability** | Flat Surfaces, Curves, Rivets and Corrugations

**Shelf Life** | 1 Year

<u>CUTTING</u>	<u>PRINTING</u>	<u>INSTALLATION</u>
<p><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</p>	<p>(*A print test is recommended prior to production to determine the suitability of this product given a particular printer, rip, ink type and ink set. Allow at least 24 hours for inks to dry and properly outgas prior to lamination, cutting or application.)</p>	<p><b>Wet Apply</b>   No  <b>Min. App. Temp.</b>   50°F  <b>Interior / Exterior</b>   Yes</p>

<p><b><u>FILM</u></b></p> <ul style="list-style-type: none"> <li>• <b>Film Thickness</b>__ (mils/μm) 2 Mil</li> <li>• <b>Film Weight</b>__ (gsm) N/A</li> <li>• <b>Gloss</b>__ 60° Reflection (80 to 90 Gloss Units (Gloss) 1.5 to 10 Gloss Units (Matte)</li> <li>• <b>Opacity</b>__ (%) 0</li> <li>• <b>Tensile Strength</b>__ (lbs/in) ≥ 4.5 lb/in width (≥ 0.8 kg/cm width)</li> <li>• <b>Elongation</b>__ (%) 150</li> <li>• <b>Dimensional Stability</b>__ Shrinkage After 158°F (70°C), 48 hours 5-mil (0.12 mm)</li> </ul>	<p><b><u>ADHESIVE</u></b></p> <ul style="list-style-type: none"> <li>• <b>Adhesive Type</b>__ Acrylic</li> <li>• <b>Adhesive Thickness</b>__ (mils/μm) N/A</li> <li>• <b>Adhesive Color</b>__ Clear</li> <li>• <b>Peel Strength</b>__ (lbs/in) PSTC-1, 15 min, 70°F (21°C) 4.35 lb/in (0.78 kg/cm)</li> </ul>
<p><b><u>LINER</u></b></p> <ul style="list-style-type: none"> <li>• <b>Liner Weight</b>__ (#/gsm) 78#</li> <li>• <b>Liner Type</b>__ White PE-Coated 1 side Kraft</li> <li>• <b>Liner Thickness</b>__ (mils/μm) N/A</li> <li>• <b>Release Force</b>__ Release Force @ 300" / min (g/2") 70 g/2in (13.78 g/cm)</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 to 100 °F</li> <li>• <b>Service Temp.</b>__ -40 °F to 175 °F</li> <li>• <b>Shelf Life</b>__ 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 7 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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