

7004 Series | Laminate: Premium Cast, Optically Clear Adhesive

Lumina® series 7004 is a premium grade cast vinyl laminate designed for use on cast film, perforated window, and reflective vinyl films to provide protection from UV exposure, chemicals, and abrasion. This product features an optically clear adhesive providing superb clarity.

Film Technology | Cast (PVC)

Film Thickness | 2 mil

Color | Optically clear (300)

Outdoor Durability | 5 years - when properly processed and applied
 (*Expected Durability: unprinted media, vertical exposure, and ideal conditions.)

Finish | Gloss

Blockout | No

Adhesive | Permanent/Acrylic

Liner | 78#

Conformability | Complex curves, curved, flat, rivets

Shelf Life | 1 Year

<u>CUTTING</u>	<u>PRINTING</u>	<u>INSTALLATION</u>
Computer Cut Yes Steel Rule Yes Thermal Die Yes Flat Bed Yes Sheetable Yes Laminate Yes / Cold	(*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.)	Wet Apply Yes Min. App. Temp. 40°F Interior / Exterior Yes

<p><u>FILM</u></p> <ul style="list-style-type: none"> • Film Thickness__ (mils/μm) 2 Mil • Film Weight__ (gsm) N/A • Gloss__ 60° Reflection (90 Gloss Units) • Opacity__ (%) 0 • Tensile Strength__ (lbs/in) ≥ 4.5 lb/in (≥ 0.8 kg/cm) • Elongation__ (%) 150 • Dimensional Stability__ Shrinkage After 158°F (70°C), 48 hours 5-mil/0.13 mm 	<p><u>ADHESIVE</u></p> <ul style="list-style-type: none"> • Adhesive Type__ Acrylic • Adhesive Thickness__ (mils/μm) N/A • Adhesive Color__ Clear • Peel Strength__ (lbs/in) 3.5 lbs/in (0.625 kg/cm)
<p><u>LINER</u></p> <ul style="list-style-type: none"> • Linier Weight__ (#/gsm) 78 / 127 • Linier Type__ Clear poly • Linier Thickness__ (mils/μm) – N/A • Release Force__ TLMI Release at 90°, 300 in/min (760 cm/min) 35 g/2 in (6.89 g/cm) 	<p><u>PERFORMANCE GUIDANCE</u></p> <ul style="list-style-type: none"> • Application Temp.__ On clean, dry substrate > +40 °F to 100 °F • Service Temp.__ -40 °F to 175 °F • Shelf Life__ up to 1 year • Storage Temp. / Rel. Humidity__ 70°F (21°C) and 50% relative humidity • Outdoor Durability__ up to 5 years

NOTE - For further information regarding printing, substrate cleaning, application, maintenance, durability, and removal please review the corresponding instructional bulletin available at fdcfilms.com.

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