Lumina™ by FDC

Product Data Bulletin
v.10/12/2023

7270 Series | Lumina Print Media: Intermediate Calendered, Translucent

Lumina series 7270 is an Intermediate grade calendered translucent vinyl film designed for printing backlite graphics and signage requiring medium-term durability

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Film Technology | Calendered Translucent - Polymeric Vinyl

Film Thickness | 3.2 mil

Color | White

Outdoor Durability | 5 years

Finish | Matte

Blockout | No

Adhesive | Permanent / Clear

Liner | 90#

Conformability | Flat/Simple Curves

Shelf Life | 1 Year

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

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FILM	**ADHESIVE**
• **Film Thickness**__(mils/µm) 3.2 / 81 (+/- 10%) • **Film Weight**__(gsm) 100 • **Gloss**__ 60° Reflection (10 Gloss Units) • **Opacity**__ (%) 60-70 • **Tensile Strength**__ (lbs/in) MD > 2800 / CD > 3200 • **Elongation**__ (%) MD > 150 / CD > 180 • **Dimensional Stability**__ (FTM 14) MD < 0.30 mm / CD < 0.30 mm	• **Adhesive Type**__ Solvent Acrylic • **Adhesive Thickness**__ (mils/µm) .08-1.0 / 20-25 • **Adhesive Color**__ Clear • **Peel Strength** __ (lbs/in) (N/25mm) 24 hrs. 5.8 / 25
LINER	**PERFORMANCE GUIDANCE**
• **Liner Weight**__ (#/gsm) 90 / 145 • **Liner Type**__ White 2-sided PE-Coated Kraft • **Liner Thickness**__ (mils/µm) 6.7 / 170 • **Release Force**__ @ 360" / min (g/2") 15-30	• **Application Temp.**__ On clean, dry substrate > +40 °F • **Service Temp.**__ -40 °F to 180 °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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