

**CrystalPoint**

Water

(eco) Solvent

UV Curable

Latex

## Specialties

# LFM331 Tyvek

## 105 g/m<sup>2</sup>

**Product Description**

Robust, highly tear resistant banner composed of flash spun high-density polyethylene fibres. For strong banner applications on the ColorWave 700. Tyvek® is a DuPont trademark.

**Physical Properties**

Thickness (µm)	270 ± 80	ISO 20534	Tear Strength* (N)	5.2 - 10.2 / 5.5 - 9.0	EN 21974
Weight (g/m <sup>2</sup> )	105.0 ± 3.5	ISO 536	Elongation* (%)	16 - 23 / 18 - 26	EN ISO 1924-2
Tensile strength* (N/2.54 cm)	290/325 ± 35	EN ISO 1924-2	Opacity (%)	98.4 ± 1.0	ISO 2471

\*MD/CD

**Applications/features**

Indoor/outdoor posters  
Event banners, Maps  
Labels  
Excellent print quality  
PVC free, suited for recycling  
High tear resistance  
Suitable for grommets or sewing

**Available Widths (mm)**

3"core	914	1067													
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Refer for our current offering to [mediaguide.oce.com](http://mediaguide.oce.com)**Storage Conditions**

Shelf life: 1 year, Temperature 22°C, Relative Humidity 50%  
Repack opened rolls when not in use.

**Print Conditions**

Best results are obtained between 20 ± 3°C and 50 ± 5% RH.  
Refer also to printer specifications.

**Environment, Health & Safety**

No Material Safety Data Sheet required. Tyvek is suitable for recycling.

**Lamination Compatibility**

Cold	Warm	Hot	Cold: pressure sensitive Warm: heat activated: 85°C - 95°C Hot: heat activated: 105°C -130°C
yes	no	no	

**Outdoor Use**

Tyvek is developed for outdoor use. Tyvek printed on the Océ ColorWave 700 can be used outdoor for short term applications (3-4 weeks).

**Colour Profiles**

Canon develops high-quality colour profiles for media / ink / printer / RIP combinations.  
Check availability of profiles for your printer on [mediaguide.oce.com](http://mediaguide.oce.com)

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**Processing  
Guidelines**

**Printing guidelines**

Allow material to adapt to room conditions for 24 hours before printing.  
It is recommended to handle the media with cotton gloves. Make sure that the media comes not into contact with grease, oil, silicon, and dirt to avoid printing defects.  
Insert the Tyvek with care in the printer. Incorrect loading can cause skewing or creasing.  
It is recommended to calibrate the printer before printing and to make a test print. Print results will vary for different printer ink/toner combinations. Ink/toner restrictions and printer settings have to be set for specific printer-ink/toner combinations to obtain the best results. Canon colour profiles will set optimal restrictions and printer-settings for Canon supported printers.  
Because of the random/non oriented fibers Tyvek has a certain inhomogeneity across its web. This inhomogeneity may differ per batch and may lead to problems on printers, specifically in cases where Tyvek is exposed to heat.

**Application guidelines**

Pressure-sensitive adhesive tabs of Tyvek® or Mylar® polyester film wrapped around a sewn seam at each edge will reduce the possibility of edge tear.  
It is recommended that the Tyvek banners are stitched hem side up so that the sewing machine comes only in contact with the unprinted side of the banner. Use 1.2 to 2 stitches/cm at low tension to eliminate skipping.  
When sewing banners, avoid stitches at or near the edge to reduce the chance for edge-tear.  
When applying grommets, they should be inserted in double hemmed edges. Corner grommets should be placed where the length and width hems cross, so that the grommet is embedded in four layers.

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**Standard disclaimer:**

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