

Product: Avery Dennison® MPI 2050 Matte Translucent

Matte White Translucent Calendered Vinyl Permanent



Graphics Solutions

Category: Sign, Display & Digital - (eco) Solvent, Latex, UV Inkjet

Country of Origin: USA

Technical specifications:

Features

- Excellent printability on eco-solvent, solvent, latex and UV curable printers
- StaFlat liner provides easy handling and converting properties
- Easy application to a wide variety of light box substrates
- Excellent dimensional stability
- Excellent colour uniformity in reflected and transmitted light
- Excellent outdoor durability and performance
- Excellent adhesion to rigid and flexible sign face material

Description



Film: 86 micron matte white translucent polymeric calendered vinyl



Adhesive: Permanent acrylic



Backing: Two side PE coated StaFlat™ paper, 145g/m²



Outdoor life:** 6 years (unprinted)

Application surface: Flat, simple curves

Conversion*

- | | |
|---|---|
| <input type="checkbox"/> Flat bed cutters | <input type="checkbox"/> Cold overlaminating |
| <input type="checkbox"/> Friction fed cutters | <input type="checkbox"/> Electrostatic printing |
| <input type="checkbox"/> Die cutting | <input checked="" type="checkbox"/> Latex inkjet |
| <input type="checkbox"/> Thermal transfer | <input checked="" type="checkbox"/> Eco solvent inkjet |
| <input type="checkbox"/> Screen printing | <input checked="" type="checkbox"/> Solvent inkjet |
| <input type="checkbox"/> Offset printing | <input checked="" type="checkbox"/> UV curable inkjet |

*Always test with your combination of printer and inks prior to commercial use.

Common Applications

- Illuminated signs
- Window graphics

Application

- Refer to Instructional bulletin 2.03 for application to flex face material.
- Refer to Instructional bulletin 1.05 Procedures for Acrylic & Polycarbonate Preparation.

Uses

Avery Dennison MPI 2050 is a white translucent film designed for use in illuminated signage and window applications where uniform light transmittance and excellent adhesion are required.

General

Calliper, face film	ISO 534	86 micron
Calliper, face film and adhesive	ISO 534	111 micron
Dimensional stability	DIN 30646	1.651 mm max
Tensile strength	DIN 53455	***
Gloss	Hunter Gloss at 60°	20%
Adhesion, initial	FINAT FTM-1, stainless steel	700 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	718 N/m
Flammability	ASTM E84 Class 1 or A rating	Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Accelerated aging	DIN 53387 1500 hours exposure	No negative impact on film performance
Durability **	Vertical exposure ^	Up to 6 years unprinted

^ See ICS Performance Guarantee Durability Bulletin for your specific printer and ink combination for further information

Thermal

Application temperature		Minimum: + 4°C
Temperature range		- 45°C to + 82°C
Heat resistance	3 weeks exposure at 80 °C	No negative impact on film performance

Chemical

Chemical resistance		Resistant to most mild acids, alkalis, and salt solutions.
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Note:

Materials have to be properly dried and cured before further processing, like laminating, varnishing, trimming, contour cutting or application. The residual solvents can otherwise change the products' specific features and properties.

Important

Information on physical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of any material for their specific use.

All technical data is subject to change without prior notice.

Warranty

Avery Dennison® materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give guarantee, warranty, or make any representation contrary to the foregoing.

All Avery Dennison® materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

**Durability

Durability is based on exposure conditions in the normal middle European and central North American regions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing north in the southern hemisphere or south in the northern hemisphere; in areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased. Please refer to Avery Dennison Instructional Bulletin 1.3 for definitions and reductions based on the 'Zone System'.

*Compatible with most media and ink combinations. Test prior to use.