Avery Dennison® HP MPI 2121

Matte White Transit Calendered Vinyl Removable

Features

- Excellent printability Eco-solvent & solvent, Latex and UV inkjet printers
- Specifically designed for temporary transit advertising market
- Dimensionally stable StaFlat liner provides easy converting properties
- Soft film provides easy application to simple curved surfaces
- ASTM E84 Class 1 or A rating
- 100% opacity, completely covers whatever is underneath
- Easy and clean removability without heat for up to 1 year

Description

Film: 86 micron matte white polymeric calendered vinyl

Adhesive: removable acrylic
Removability: up to 1 year

Backing: Staflat paper,

Outdoor life: Up to1 year (unprinted)

Application surface: Flat, simple curves, (restricted to non spill areas)

Conversion+

- ☐ Flat bed cutters
- ☐ Friction fed cutters
- ☐ Die cutting
- ☐ Thermal transfer
- ☐ Screen printing
- ☐ Offset printing
- ☐ Cold overlaminating
- ☐ Electrostatic printing
- ☑ **Latex inkjet**
- ☑ **Eco solvent inkjet**
- ☑ **Solvent inkjet**
- ☑ **UV curable inkjet**

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

Common Applications

- Trains and light rail
- Buses
- Outdoor advertising
- Flat sided trucks

Uses

Avery Dennison® HP MPI 2121 Transit Vinyl is a specially engineered, flexible calendered vinyl film that has been specifically designed for use in the temporary transit advertising market. HP MPI 2121 Transit Vinyl can be applied to bus advertising panels and directly to the bus surface.

Physical characteristics

General

Calliper, face film	ISO 534	86 micron
Calliper, face film & adhesive	ISO 534	110 micron
Dimensional stability^^^		<1.651mm
Adhesion, initial	FINAT FTM-1, stainless steel	175 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	315 N/m
Removability ^^	removability from most OEM surfaces, with little or no adhesive residue	Up to 1 year
Flammability	ASTM E84 Class 1 or A rating	Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability **	Vertical exposure ^	Up to 1 years unprinted

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

^^ Not removable when applied to nitrocellulose paints, fresh screen print inks, ABS, polystyrene & certain types of PVC

^^^ Note: Ink loads in excess of 250% may cause increased shrinkage of the printed film.

Thermal

Application temperature	Minimum: + 4°C
Temperature range	- 40°C to + 82°C

Chemical

Resistant to most petroleum based oils, greases and aliphatic solvents

Resistant to most mild acids, alkalies, and salts

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 printer and ink combinations. Test for suitability prior to use.

Test Methods

Dimensional stability:
Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70°C, after which the shrinkage is measured.

Adhesion:
(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel or float glass panel, 24 hours after the specimen has been applied under standardised conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:
A specimen applied to aluminium is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:
A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:
All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Corrosion Resistance:
A specimen applied to aluminium is exposed to saline mist (5% salt) at 35°C. After exposure, the film is removed and the panel is examined for traces of corrosion.