

Avery Dennison® MPI 2006 Hi-Tack

Gloss White Premium Calendered Vinyl Permanent

Features

- Excellent printability on eco-solvent, solvent, latex and UV curable inkjet printers
- StaFlat™ liner provides easy handling and converting properties
- High gloss finish for superior appearance
- Excellent adhesion to low surface energy and difficult to adhere to substrates, such as HDPE and matt interior painted walls
- Very good low temperature adhesive performance
- Good conformability to flat and simple curved surfaces
- Very good dimensional stability after installation
- Excellent outdoor durability and performance

Description



Film: 80 micron gloss white polymeric calendered vinyl



Adhesive: high tack, permanent acrylic, designed for low surface energy substrates



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



Outdoor life: Up to 7 years (unprinted)

Application surface: Flat, simple curves, gentle corrugations

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 ink prior to commercial use.

Common Applications

- Rubbish bin signage & advertising
- Port-a-loos
- Wall graphics
- General Signage
- Low surface energy substrates

Application

- Avery Dennison recommends a maximum total ink limit of 250% with solvent inkjet printing to ensure optimal performance.
- Refer to Instructional Bulletins 1.01, 1.4, 4.06 & 4.14 for printing, laminating and application instructions.

Uses

Avery Dennison MPI 2006 Hi-Tack is a high performance polymeric calendered film designed for use in a wide range of indoor or outdoor architectural, fleet and general signage applications where exceptional adhesion to LSE or difficult to adhere to substrates, application in low temperatures, excellent durability and slight conformability are required.

Physical characteristics

General

Calliper, face film	ISO 534	80 micron
Calliper, face film & adhesive	ISO 534	120 micron
Dimensional stability	DIN 30646	0.8 mm max
Elongation	ISO 527 (Unprinted film)	>225%
Gloss	ISO 2813, 20°	60
Adhesion, initial (20 mins)	FINAT FTM-1, stainless steel	940 N/m
Adhesion, ultimate (24 hrs)	FINAT FTM-1, stainless steel	1050 N/m
Adhesion, initial (20 mins)	FINAT FTM-1, HDPE	490 N/m
Adhesion, ultimate (24 hrs)	FINAT FTM-1, HDPE	525 N/m
Flammability	AS/NZS 3837:1998	Group 1
	ISO 5660-1:2002	Group 1-S
Shelf life	Stored at 22° C/50-55 % RH	2 years
Accelerated ageing	DIN 53387 1000 hours exposure	No negative impact on film performance
Durability **	Vertical exposure	Up to 7 years (unprinted)

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

Thermal

Application temperature	Minimum: + 5°C
Temperature range	- 40°C to + 80°C

Chemical

Resistant to most petroleum based oils, greases and aliphatic solvents

Resistant to most mild acids, alkalies and salts

Note:

Materials which have been solvent inkjet printed must 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.

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.

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.

**Expected Durability

The expected durability of Avery Dennison films are defined as the expected performance life of the Avery Dennison graphic film(s) within Zone 1 of the Avery Dennison zone system, in indoor vertical exposure conditions.

The actual performance life will depend on a variety of factors, including selection and preparation of substrate, angle and direction of exposure, application methods, environmental conditions and cleaning/maintenance of the films. In case of films used in areas of high temperatures or humidity, high altitudes and industrially polluted areas the performance will be further reduced.

Expected Durability and Warranted Period Definitions

Expected durability is the expected period of time defined in the product data sheet, the product should, but is not warranted to, perform satisfactorily when applied in vertical exposure conditions as defined in Instructional Bulletin 1.30. The warranted period as defined in the appropriate ICS Performance Guarantee Bulletin, is the maximum period of time Avery Dennison will warrant the finished products performance in accordance with ICS Performance Guarantee Terms and Conditions 1.0, provided that the film is properly stored, converted and installed in accordance with Avery Dennison guidelines.

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

***Information unavailable at time of printing.

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.