Technical specification sheet

Ball & Doggett
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Product: Avery Dennison® MPI 3026 Matte Supertack

Category: Sign, Display & Digital - Solvent, Latex, Eco Solvent, UV Inkjet

Country of Origin: USA

Technical specifications:

Features

- Excellent printability and handling
- Good outdoor durability and performance
- Low glare matte finish
- Good adhesion to slightly structured and low surface energy substrates
- Excellent value for money for short term promotional graphics

Description

Film: 95 micron matte white monomeric calendered vinyl

Adhesive: Special permanent acrylic adhesive for slightly structured and low surface energy substrates

Backing: One side coated Kraft paper, 125 g/m^2

Outdoor life: Up to 3 years (unprinted)

Application surface: Flat, simple curves

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.

Uses

Avery MPI 3026 is a matte white promotional calendered film designed for use in a wide range of short-term promotional applications where minimal glare and strong permanent adhesion to low surface energy substrates is required.

Common Applications

- Indoor promotional applications
- Short term applications with slightly structured surfaces
- Short term applications on low surface energy substrates
- Outdoor advertising
- Point of sale
- Display and exhibition

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General

Calliper, face film	ISO 534	95 micron
Dimensional stability	DIN 30646	0.5 mm max
Opacity	ISO 2471	92%
Adhesion, ultimate	FINAT FTM-1, stainless steel	920 N/m
Tack	FTM-9, on glass	440 N/m
Flammability	AS/NZS 3837:1998 ISO 5660-1:2002	Group 1 Group 1-S
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability **	Vertical exposure ^^	Up to 3 years (unprinted)

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

Thermal

Application temperature	Minimum: > 0°C
Temperature range	- 40°C to + 100°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.

****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 outdoor 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.

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.