Technical specification sheet

Ball & Doggett
ballanddoggett.com.au

Product: Avery Dennison® MPI 3300 StaFlat™

Gloss White Promotional Vinyl Permanent

Category: Sign,Display & Digital Solvent,Latex, Eco Solvent

Country of Origin: USA

Technical specifications:

Features

- Premium grade monomeric calendered film providing excellent
- printability Two side PE StaFlat™ liner provides excellent handling across all major print platforms
- High gloss finish for superior appearance
- Easy application to a wide variety of substrates
- Good dimensional stability after application
- Excellent value for money for short term promotional graphics
- Excellent adhesion to the most popular substrates

Description

Film: 90 micron gloss white monomeric calendered vinyl

Adhesive: Permanent clear acrylic

Backing: Two side PE coated StaFlat™ 140g/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.

Common Applications

- Billboards
- Transit advertising
- Point of purchase Outdoor
- advertising Indoor
- advertising Exhibition
- Windows
-

Uses

Avery Dennison MPI 3300 Staflat™ is a gloss white promotional vinyl film designed for use in a wide range of short-term promotional and general signage applications where good outdoor durability and value for money is required.

Updated: 05.18

Techinical specfication sheet

Ball & Doggett
ballanddoggett.com.au

General

Calliper, face film	ISO 534	90 micron
Dimensional stability	FTM 14	0.8 mm max
Opacity	ASTM 2805	>90%
Gloss	ISO2813	>30 GU(20 deg)
Adhesion, initial	FINAT FTM-1, stainless steel	440 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	600 N/m
Flammability		Self extinguishing
Shelf life	Stored at 20-25°C / 50-55 % RH	1 year
Expected 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: +10°C
Service 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 printer and ink combinations. Test 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.

Techinical specfication sheet

Ball & Doggett
ballanddoggett.com.au

Product: Avery Dennison® MPI 3301 StaFlat™

Gloss White Promotional Vinyl Removable

Category: Display & Visual - Solvent,Latex, Eco Solvent

Technical specifications:

Features

- Premium grade monomeric calendered film providing excellent printability
- Two side PE StaFlat™ liner provides excellent handling across all major print platforms
- High gloss finish for superior appearance
- Easy application to a wide variety of substrates
- Good dimensional stability after application
- Excellent value for money for short term promotional graphics
- Easy and clean removability with heat for up to 1 year

Description

Film: 90 micron gloss white monomeric calendered vinyl

Adhesive: Removable clear acrylic
Removability: up to 1 year

Backing: Two side PE coated StaFlat™ 140g/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.

Common Applications

- Billboards
- Transit advertising
- Real estate signs
- Point of purchase
- Outdoor advertising
- Indoor advertising
- Exhibition
- Windows

Uses

Avery Dennison MPI 3301 Staflat™ is a gloss white promotional vinyl film designed for use in a wide range of short-term promotional and general signage applications where good outdoor durability, removability and value for money is required.

Technical specfication sheet

Ball & Doggett
ballanddoggett.com.au

General

Calliper, face film	ISO 534	90 micron
Dimensional stability	FTM 14	0.8 mm max
Opacity	ASTM 2805	>90%
Gloss	ISO2813	>30 GU(20 deg)
Adhesion, initial	FINAT FTM-1, stainless steel	280 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	400 N/m
Removability ^^	Smooth OEM painted surfaces	Up to 1 year
Flammability		Self extinguishing
Shelf life	Stored at 20-25°C / 50-55 % RH	1 year
Expected Durability **	Vertical exposure ^	Up to 3 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

Thermal

Application temperature	Minimum: +10°C
Service 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 printer and ink combinations. Test 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.

Technical specfication sheet

Ball & Doggett
ballanddoggett.com.au

Product: Avery Dennison® MPI 3302 StaFlat™

Gloss White Promotional Vinyl Grey Removable

Category: Display & Visual - Solvent,Latex, Eco Solvent

Technical specifications:

Features

- Premium grade monomeric calendered film providing excellent printability
- Two side PE StaFlat™ liner provides excellent handling across all major print platforms
- High gloss finish for superior appearance
- Easy application to a wide variety of substrates
- Good dimensional stability after application
- Excellent value for money for short term promotional graphics
- Easy and clean removability with heat for up to 1 year
- Grey adhesive provides block out performance

Description

Film: 90 micron gloss white monomeric calendered vinyl

Adhesive: Grey Removable acrylic
Removability: up to 1 year

Backing: Two side PE coated StaFlat™ 140g/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.

Common Applications

- Billboards
- Transit advertising
- Real estate signs
- Point of purchase
- Outdoor advertising
- Indoor advertising
- Exhibition
- Windows

Uses

Avery Dennison MPI 3302 Staflat™ is a gloss white promotional vinyl film designed for use in a wide range of short-term promotional and general signage applications where block out performance, removability and value for money is required.

Technical specfication sheet

Ball & Doggett
ballanddoggett.com.au

General

Calliper, face film	ISO 534	90 micron
Dimensional stability	FTM 14	0.8 mm max
Opacity	ASTM 2805	>100%
Gloss	ISO2813	>30 GU(20 deg)
Adhesion, initial	FINAT FTM-1, stainless steel	240 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	320 N/m
Removability ^^	Smooth OEM painted	Up to 1 year
Flammability	surfaces	Self extinguishing
Shelf life	Stored at 20-25°C / 50-55 % RH	1 year
Expected Durability **	Vertical exposure ^	Up to 3 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

Thermal

Application temperature	Minimum: +10°C
Service 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 printer and ink combinations. Test 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.

Technical specification sheet

Ball & Doggett
ballanddoggett.com.au

Product: Avery Dennison® MPI 3300 Easy Apply™

Gloss White Promotional Vinyl Permanent

Category: Display & Visual - Solvent,Latex, Eco Solvent

Country of Origin: USA

Technical specifications:

Features:

- Premium grade monomeric calendered film providing excellent printability
- Easy Apply™ adhesive system with air egress channels to easily eliminate bubbles and during application
- Two side PE coated Kraft liner provides excellent handling across all major print platforms
- High gloss finish for superior appearance
- Easy application to a wide variety of substrates
- Good dimensional stability after application
- Excellent adhesion to the most popular substrates

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 Dennison MPI 3300 Easy Apply™ is a gloss white promotional vinyl film designed for use in a wide range of short-term promotional and general signage applications where easy application, good outdoor durability and value for money is required.

Description:

Film: 90 micron gloss white monomeric calendered vinyl

Adhesive: Permanent clear acrylic with Easy Apply™

Backing: Two side PE coated Kraft paper, 140g/m^2

Outdoor life:** Up to 3 years unprinted

Application surface: Flat, and simple curves

Common Applications:

- Real estate signs
- Point of purchase
- Outdoor advertising
- Retail advertising
- Exhibitions
- Windows

Technical specfication sheet

Ball & Doggett
ballanddoggett.com.au

General

Calliper, face film	ISO 534	90 micron
Dimensional stability	FTM 14	0.8 mm max
Opacity	ASTM 2805	> 90%
Adhesion, initial	FINAT FTM-1, Stainless steel	440 N/m
Adhesion, ultimate	FINAT FTM-1, Stainless steel	600 N/m
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Expected 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: + 10°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 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 printer and ink combinations. Test prior to use.

Testing 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 35ºC. After exposure, the film is removed and the panel is examined for traces of corrosion.

Technical specification sheet

Ball & Doggett
ballanddoggett.com.au

Product: Avery Dennison® MPI 3302 Easy Apply™

Gloss White Promotional Vinyl Grey Removable Easy Apply ™

Category: Display & Visual - Solvent, Latex, Eco Solvent

Country of Origin: USA

Technical specifications:

Features:

- Premium grade monomeric calendered film providing excellent printability
- Easy Apply™ adhesive system with air egress channels to easily eliminate bubbles and during application
- Two side PE coated Kraft liner provides excellent handling across all major print platforms
- High gloss finish for superior appearance
- Easy application to a wide variety of substrates
- Good dimensional stability after application
- Easy and clean removability with heat for up to 1 year
- Grey adhesive provides block out performance

Description:

Film: 90 micron gloss white monomeric calendered vinyl

Adhesive: Removable grey acrylic with Easy Apply™

Backing: Two side PE coated kraft paper, 140g/m^2

Outdoor life:** Up to 3 years unprinted

Application surface: Flat, and 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.

Common Applications:

- Real estate signs
- Point of purchase
- Outdoor advertising
- Retail advertising
- Exhibitions
- Windows

Uses:

Avery Dennison MPI 3302 Easy Apply™ is a gloss white promotional vinyl film designed for use in a wide range of short-term promotional and general signage applications where easy application, good removability, good outdoor durability and value for money is required.

Technical specfication sheet

Ball & Doggett
ballanddoggett.com.au

General

Calliper, face film	ISO 534	90 micron
Dimensional stability	FTM 14	0.8 mm max
Opacity	ASTM 2805	> 90%
Adhesion, initial	FINAT FTM-1, Stainless steel	240 N/m
Adhesion, ultimate	FINAT FTM-1, Stainless steel	330 N/m
Removability^^		Up to 1 year
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Expected Durability **	Vertical exposure ^	Up to 3 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	

Thermal

Application temperature	Minimum: + 10°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 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 printer and ink combinations. Test prior to use.

Testing 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 35ºC. After exposure, the film is removed and the panel is examined for traces of corrosion.