

Avery Dennison® Supreme Wrapping Film

Easy Apply™ RS Long Term Removable

Justin Pate Colours

Features

- Superior gloss and satin finish film with dirt repellent characteristics
- Super conformable cast film for reliable application on to concave, convex, compound curves and in to deep recesses without the need to make incisions
- Outstanding outdoor durability and performance
- Dual layer construction provides extra film thickness and body for improved application characteristics without the need for application tape
- Easy Apply RS™ adhesive system with air egress channels for fast and easy removal of entrapped air bubbles
- Adhesive slides smoothly on surface for exact positioning: RS™ technology allows film to stand-off from surface until pressure is applied
- Low initial adhesive tack allows graphics to be repositioned during application
- Available in 1.52m width for seamless vehicle wrapping
- Exceptional long term removability for the life of the film with little or no adhesive residue

Conversion

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

Application

- Dry application only. Do not use water and detergent or a commercial application fluid to position the graphic.
- Films with face thickness 102µm and above may have reduced conformability.
- For processing tips and reference guides please refer to Avery Dennison Instructional Bulletins:
 - 1.01 Substrate Cleaning and Preparation
 - 1.05 Procedures for Acrylic & Polycarbonate Preparation
 - 1.4 Application Methods for Pressure Sensitive Adhesive Films
 - 1.19 Application instructions for Avery Dennison® Supreme Wrapping Film
 - 1.8 Vehicle Wrap and Graphics Maintenance

Uses

Avery Dennison® Supreme Wrapping Film is a premium quality dual layer super cast film for the use in applications where a high quality durable finish, superior conformability and easy of application is required. This film is designed for full or partial wrapping of vehicles or other objects which require a conformable film. For sign cutting of detailed letters and graphics we recommend Avery Dennison® 900 Super Cast.

Description



Film: 132µm Cast film



Adhesive: Permanent acrylic with Easy Apply RS™ and long term removability

Removability: length of applicable warranty period



Liner: Two side PE coated 90# StaFlat™ paper.



Outdoor life:** 3 years vertical



Colours:

Pearl Black Satin
Pearl Bahama Blue Satin
Gloss Metallic Meteorite
Gloss Metallic Milky Way

Application Flat, flat with rivets, corrugations
surfaces: and deep recesses

Common Applications

- Trucks, trailers, cars and vans
- Emergency vehicles
- Buses, trains and light rail
- Architectural signage

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Unsuitable Uses:

This Avery Dennison product is not designed or recommended for the following uses. Unsuitable applications or exposure conditions include, but is not limited to:

- Paint that is not thoroughly cured or dried
- Low surface energy substrates (i.e. Tedlar[®] coatings)
- Substrate surfaces that are not clean and smooth (little or no variation in texture)
- Painted substrates with poor paint-to-substrate, or paint-to-paint bond
- Stainless steel
- Film applied to non-Avery Dennison Films
- Film applied to pre-existing graphics (pre approval required)
- Watercraft below the static water line
- Watercraft which are not edge sealed
- Non-OEM painted vehicles
- Graphic removal from paint with poor adhesion or existing graphics
- Graphics exposed to oil, harsh chemical, or gasoline vapors or spills
- Graphics where application tape must adhere to liner
- Plotter cut text where the minimum size of the text or dimension of the object is less than 2 in (51 mm)

Removability:

The removability listed in the physical characteristics section “Clean removability” means removable with less than 20% adhesive residue when using appropriate heat and chemical removal methods. See Instructional Bulletin 4.10 for removal instructions. Avery Dennison does not warrant removability from the following substrates:

- Surfaces with poor paint-to-substrate adhesion
- Wallboard (painted or unpainted)
- Pre existing graphics that must remain intact; damage to existing graphic when film is removed
- Improperly cured paint
- Oxidized or chalked substrates
- Horizontally exposed outdoor applications (as defined in Instructional Bulletin 1.30)
- Stainless Steel Avery Dennison makes no warranty for:
- Paint/Clear Coat Staining: Avery Dennison does not warrant vehicle paint staining that may be visible after removing material which has cracked or discoloured. To reduce the risk of this problem, always remove the graphic at the first sign of a change in the surface of the material
- Ease or speed of removal of any graphic
- Removal from automotive paint that is greater than 5 years old
- Removal from paint that is improperly cured
- Removal from aged paint or metals, surface oxidation or chalking; user must test, approve and accept liability for such applications

Physical characteristics

General

Caliper, facefilm	ISO 534	132 micron
Caliper, facefilm & adhesive	ISO 534	162 micron
Dimensional stability	DIN 30646	<0.254 mm (max)
Tensile strength	DIN 53455	>1.5 kg/cm (min)
Elongation at break	DIN 53455	200%
Gloss	Measured @60°	>85GU
Adhesion, initial (20mins)	FINAT FTM-1, stainless steel	367 N/m
Adhesion, ultimate (24hrs)	FINAT FTM-1, stainless steel	437 N/m
Adhesion, 1 week	FINAT FTM-1, stainless steel	525 N/m
Removability ^	Smooth OEM painted surfaces	Length of applicable warranty period
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Accelerated ageing	SAE – J 1960 2000 hours exposure	No negative impact on film performance
Durability **		Vertical 3 years
	Pearl Black Satin	3 years
	Pearl Bahama Blue Satin	3 years
	Gloss Metallic Meteorite	3 years
	Gloss Metallic Milky Way	3 years
^^Warranty		Vertical (Horizontal) zone 1
	Pearl Black Satin	1.5 (0.5) yrs
	Pearl Bahama Blue Satin	1.5 (0.5) yrs
	Gloss Metallic Meteorite	1.5 (0.5) yrs
	Gloss Metallic Milky Way	1.5 (0.5) yrs

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

Application temperature	Minimum: + 10°C
Temperature range	- 42°C to + 82°C

Chemical

Humidity resistance	120 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion time	No effect
Chemical Resistance	Applied to aluminium	No effect exposed to: Oil, greases, motor oils, mild acids and alkalis.

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

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

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 communicated in this ICS Performance Guarantee Bulletin 2.5, 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.

*May be covered by one or more US patents 7,344,618, 7,332,205, and other US and foreign patents pending.

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