Avery Dennison® Supreme Wrapping Film
With Easy Apply RS™* Technology

Features

- Superior high gloss or matte 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
- Standard colour range with colours comparable to Avery Dennison® 900 Super Cast.
- Available in 1.52m width for seamless vehicle wrapping
- Complete standard colour range is REACH compliant (EC1907/2006) and meets CPSIA, RoHS & WEEE standards
- Exceptional long term removability for the life of the film with little or no adhesive residue
- Custom colour matching available including a range of Pantone-approved colours.

Conversion

- ☑ **Flat bed cutters**
- ☑ **Friction fed cutters**
- ☐ Die cutting
- ☐ Thermal transfer
- ☐ Screen printing
- ☐ Cold overlaminating
- ☐ Latex Inkjet
- ☐ Eco Solvent inkjet
- ☐ Solvent inkjet
- ☐ UV Cured inkjet

Avery Dennison® Colour Matching

A custom colour matching service is offered for projects where specific colour needs cannot be matched from the standard colour range. For supply conditions please consult your Avery Dennison Dennison representative.

Description

Film: 80µm to 119µm high gloss, satin or matte cast film

Adhesive: Permanent acrylic with Easy Apply RS™ and long term removability
Removability: Up to 5 years

Liner: Two side PE coated 90# StaFlat™ paper

Outdoor life**:
Up to 12 years vertical exposure depending on colour

Colours: 33 standard and 17 limited edition colours/finishes

Application Surfaces: Flat, flat with rivets, corrugations, deep recesses

Note: Films with face thickness 102µm and above may have reduced conformability.

Common Applications

- Vehicle wraps
- Fleet graphics
- Marine wraps
- Transit wraps

Application

- Dry application only. Do not use water and detergent or a commercial application fluid to position the graphic.
- 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.

Physical characteristics

General

Caliper, facefilm	ISO 534	80 to 119 micron
Caliper, facefilm & adhesive	ISO 534	110 to 149 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°	90% Gloss 20 – 30% Satin <15% Matte
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	Up to 5 years
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/Horizontal exposure
	Black & white	12/3 Years
	Colours	10/2 Years
	Metallic	5/2 Years

^ 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		- 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.

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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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

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.