

Avery Dennison® Intermediate Wrapping Film

With Easy Apply™* Technology

Features

- Easy Apply RS™ adhesive system with air egress channels for fast and easy removal of entrapped air bubbles
- Outstanding outdoor durability and performance
- Extra film thickness and body for improved application characteristics without the need for application tape
- Adhesive slides smoothly on surface for exact positioning: RS™ technology allows film to stand-off from surface until pressure is applied
- Excellent dimensional stability.
- Product width up to 1,52m.
- Exceptional long term removability for the life of the film with little or no adhesive residue
- Time saving due to ease of application.

Description



Film: 70 micron polymeric calendered vinyl



Adhesive: Clear permanent acrylic with Easy Apply™ and long term removability



Backing: two sides polyolefine coated kraft paper, 150 g/sqm



Outdoor life: Up to 7 years

Conversion

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

Common Applications

- Vehicle wraps on flat and slightly curved surfaces
- Fleet graphics
- Corporate Identity enhancement

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

Uses

Avery Intermediate Wrapping Film is a high quality calendered film designed for use in fleetmarking and corporate identification applications providing enhanced ease-of-use during application.

Entrapped air can easily be removed without the need to punch the face film. The easy-to-apply feature offers the benefits of faster wrapping of vehicles. Avery Intermediate Wrapping Film is recommended for use on flat to slightly curved surfaces.

Physical characteristics

General

Caliper, facefilm	ISO 534	70 micron
Caliper, facefilm & adhesive	ISO 534	100 micron
Dimensional stability	DIN 30646	0.30 mm max
Gloss	ISO 2813, 20°	60% min
Adhesion, initial (20mins)	FINAT FTM-1, stainless steel	300 N/m
Adhesion, ultimate (24hrs)	FINAT FTM-1, stainless steel	550 N/m
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Accelerated ageing	SAE – J 1960 1500 hours exposure	No negative impact on film performance
Durability **	Vertical exposure	
	Black & white	7 years
	Colours & transparent	5 years
	Metallic	3 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	- 40°C to + 100°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

Durability is based on exposure conditions in the normal middle European and central North American regions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing north in the southern hemisphere or south in the northern hemisphere; in areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased. Please refer to Avery Dennison Instructional Bulletin 1.3 for definitions and reductions based on the 'Zone System'.

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.



Graphics
Solutions

Avery Dennison Graphics Solutions Asia Pacific

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