

Avery Dennison[®] Intermediate Wrapping Film

With Easy Apply^{™*} Technology

Features

- Superior high gloss 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
- 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 adhesive tack level allows graphics to be repositioned during application
- Standard colour range with colours comparable to Avery Dennison 900 Super
- Cast
- Complete standard colour range is REACH compliant (EC1907/2006)
- 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"/> 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 |

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 representative.

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

Uses

Avery Dennison[®] Supreme Wrapping Film is a premium quality 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: 70 micron polymeric calendered vinyl



Adhesive: Clear permanent acrylic with Easy Apply[™] and long term removability
Removability: Up to 10 years



Backing: Two side PE coated StaFlat[™] paper, 150g/m²



Outdoor life:
Up to 7 years



Colours: 20 standard
Including 9 with PANTONE[®] colour reference

Common Applications

- Vehicle wraps
- Vehicle graphics
- Watercraft graphics

Physical characteristics

General

Caliper, facefilm	ISO 534	80 micron
Caliper, facefilm & adhesive	ISO 534	110 micron
Dimensional stability	DIN 30646	0.2 mm max
Tensile strength	DIN 53455	1.4 kN/m min
Elongation at break	DIN 53455	180%
Gloss	ISO 2813, 20 ^º	60% min
Adhesion, initial (20mins)	FINAT FTM-1, stainless steel	400 N/m
Adhesion, ultimate (24hrs)	FINAT FTM-1, stainless steel	500 N/m
Removability [^]	Smooth OEM painted surfaces	Up to 10 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 exposure (Asia Pacific)	
	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: + 7°C
Temperature range	- 50°C to + 110°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 Asia Pacific region. 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.

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

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.



Graphics
Solutions

Avery Dennison Graphics Solutions Asia Pacific

www.graphicsap.averydennison.com