Avery® 900 Supercast Easy Apply LTR

With Easy Apply and Long Term Removability

Features

- 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
- Dimensionally stable StaFlat™backing for easy converting
- Spectacular high gloss finish
- Excellent conversion properties on computerised cutters
- Easy cutting and weeding
- Excellent dimensional stability after application
- Excellent UV, temperature, humidity and salt-spray resistance
- Batch reference and product identification printed on liner for traceability
- Contrasting blue liner on white
- Easy Apply adhesive system with air egress channels for fast and easy removal of entrapped air bubbles
- Available in 1.52m width for seamless vehicle wrapping
- Excellent 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.

Description

Film: 50 micron super cast vinyl

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

Liner: Two side PE coated StaFlat™ paper, 145g/m^2

Outdoor life**:
Up to 12 years (Middle Europe)
Up to 10 years (Asia Pacific)

Colours: 15 standard
Including 6 referenced PANTONE® colours

Conversion

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

Avery® 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.

Uses

Avery Dennison™ 900 Supercast Easy Apply Vinyl Film is a premium quality opaque film designed for use in fleet marking and corporate identification applications requiring enhanced ease-of-use during application. The patent-pending Avery Dennison™ Easy Apply feature offers the benefits of reduced wrinkling and air entrapment inherent in the application of decals and graphics. Avery Dennison's long term removable adhesive system offers residue-free removal over the warranted life of a graphic applied to many typical commercial and fleet vehicle surfaces.

Common Applications

- Vehicle graphics and total vehicle wrapping
  - Application on concave, convex and compound surfaces without the need to make incisions
  - Inlays may be eliminated due to the superior conformability
- Emergency vehicles
- Flat sided trucks
- Corrugated trucks
- Marine and recreational vehicles
- Trains and light rail
- Architectural
- Directional signage
- Industrial machinery
- Buses
- Windows
- Outdoor advertising

Physical characteristics

General

Calliper, face film	ISO 534	50 micron
Calliper, face film & adhesive	ISO 534	75 micron
Dimensional stability	DIN 30646	0.4 mm (max)
Tensile strength	DIN 53455	0.7-1.5 kg/cm (min)
Elongation at break	DIN 53455	150% min
Gloss		90% (min)
Adhesion, initial (20mins)	FINAT FTM-1, stainless steel	315 N/m
Adhesion, ultimate (24hrs)	FINAT FTM-1, stainless steel	367 N/m
Adhesion, 1 week	FINAT FTM-1, stainless steel	700 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	10 years
	Colours	9 years
	Metallic	4 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® 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® 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.

PANTONE® is the property of Pantone, Inc.

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.