

Avery® Supreme Wrapping Film

Carbon Fibre With Easy Apply RS™ Technology

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
- 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.
- For processing tips and reference guides please refer to Avery 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® Supreme Wrapping Film
 - 1.8 Vehicle Wrap and Graphics Maintenance

Uses

Avery® 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® 900 Super Cast.

Sign Materials

Product Data Sheet

Description



Film: 107 micron super cast vinyl (carbon finish)



Adhesive: Clear permanent acrylic with Easy Apply RS™ and long term removability
Removability: Up to 2 years



Liner: Two side PE coated StaFlat™ paper, 150 g/m²



Outdoor life:**
Up to 4 years (Middle Europe)
Up to 3 years (Asia Pacific)



Colours: Black & White

Common Applications

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



Graphics and
Reflective Solutions

Physical characteristics

General

Caliper, facefilm	ISO 534	107 micron
Caliper, facefilm & adhesive	ISO 534	137 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		NA
Adhesion, initial (20mins)	FINAT FTM-1, stainless steel	350 N/m
Adhesion, ultimate (24hrs)	FINAT FTM-1, stainless steel	440 N/m
Adhesion, 1 week	FINAT FTM-1, stainless steel	525 N/m
Removability ^	Smooth OEM painted surfaces	Up to 3 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 **	Asia Pacific Carbon Fibre	Vertical/Horizontal Exposure 3/1 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.