

PRODUCT DATA SHEET

Customized Non-Standard Avery Dennison® Caravan Cast EA Film

Issued:10/2017

Introduction

Avery Dennison Caravan Cast Film is a unique graphics-medium to long life film range that offers excellent dimensional stability for decorative purposes for the Caravan aftermarket. The face-film allows for easy and accurate application on RV, ATV and Offroad vehicle.

Description

Facefilm: 50 micron cast vinyl
Adhesive: permanent, acrylic based
Backing paper: two-side polyethylene coated kraft paper

Conversion

Avery Dennison Caravan Cast offers excellent weeding and cutting performance on a wide range of computer signmaking equipment.

The EA liner is supporting the ease of application by design and air regression properties. Prior to application it must be validated if the surface characteristics of the applied vinyl are meeting the customer requirements. A special remark is made for larger smooth surface applications.

When converting the vinyl into decals it is highly recommended to submit the material to visual inspection ensuring the final quality applied is of the highest level.

Features

- Conforms on curved and corrugated surfaces.
- Excellent lay flatness and stability during cutting and weeding.
- Easy Apply Technology, for an easy application
- Outstanding durability and outdoor performance.
- High gloss for superior appearance.
- Excellent dimensional stability during use and application.

Recommendations for use

Avery Dennison Caravan Cast can generally be used for graphic decorations and accents on vehicles such as RV, ATV and Offroad Vehicle.

The quality inspection under static conditions by the converter is recommended to be executed to eliminate any deviation or optical disturbance to be passed on to the next process step and prevent adding of value in the full process from conversion till application.

Different substrates are used in the production of caravans and campers, therefore it is always recommended to perform a small prototype test on the actual surface.



Inspired Brands.
Intelligent World.™

graphics.averydennison.eu

PRODUCT CHARACTERISTICS

Customized Non-Standard Avery Dennison® Caravan Cast EA Film

Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	50 micron
Caliper, facefilm + adhesive	ISO 534	75 micron
Gloss	ISO 2813, 20°	50%
Dimensional stability	DIN 30646	0,20 mm. max
Elongation at break	DIN 53445	130%
Adhesion, initial	FINAT FTM-1, stainless steel	435 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	510 N/m
Flammability		self-extinguishing
Accelerated ageing	SAE J2527, 2000h exposure	No negative impact on film performance
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability ²	Vertical exposure	
Black & White		10 years
All Colours & Transparent		8 years
Metallics		5 years

Temperature range

Features	Results
Application temperature	Minimum: +15° C
Temperature range	-40° to + 110° C

Chemical resistance

Features	Test method ¹	Results
Humidity resistance	200 hours exposure	No effect
Saltspray resistance	120 hours exposure to corrosion	No effect
Water resistance	48 hours immersion	No effect

NOTE: Materials have to be properly dried before further processing, for example laminating, varnishing or application. The residual solvents could change the products' specific features.

For good print and converting result we recommend to let the rolls acclimatize in the print/lamination room at least 24h. before printing or converting. Too much temperature or humidity deviation between material and room climate can cause layflatness and/or printability issues.

Generally, constant material storage conditions of ideally 20°C (+/-2°C) /50% RH (+/- 5%), without too big climate deviations, will support a more robust and stable printing/converting process. For further details, please refer to TB 1.11.

Important

Information on physical and chemical 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 this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of these Conditions, the English version shall be controlling.

Warranty

All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>

1) Test methods

More information about our test methods can be found on our website.

2) Durability

The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.



Graphics
Solutions

graphics.averydennison.eu