

PRODUCT DATA SHEET

Avery Dennison® Caravan Cast EA Film

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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.

Conversion

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

The Easy Apply 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.

Recommendations

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.

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



Face Film

50 micron cast vinyl



Adhesive

permanent, acrylic based



Backing

two-side polyethylene coated kraft paper, 140 g/m²



Durability

Up to 10 years



Shelf Life

2 Stored at 22° C/50-55 % RH

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	50
Caliper, facefilm + adhesive (micron)	ISO 534	75
Gloss (GU)	ISO 2813, 20°	50
Dimensional stability (mm max.)	FINAT FTM 14	0,20
Flammability		Self-extinguishing
Accelerated ageing	SAE J2527, 2000h exposure	No negative impact on film performance
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (years)	Vertical exposure	
	Black & White	10 years
	All colours & transparent	8 years
	Metallics	5 years
Adhesive		
Elongation (%)	DIN 53455	130
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	435
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	510
Temperature range		
Application temperature (Minimum: °C)		+15
Service temperature (°C to +°C)		-40 to +110
Chemical properties		
Humidity resistance	200 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion	No effect

Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. 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 this document, the English version shall be prevailing and leading.

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.

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