

PRODUCT DATA SHEET

Avery Dennison® Avery Dennison® DOL 1460 Max

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Introduction

Avery Dennison DOL 1460 Max cast overlaminate is a premium quality, ultra-flexible thin film, designed to be used as a protective overlaminate film for digitally printed images. Offering extended durability and protection against UV, abrasion and spills, the film has been developed keeping the challenging application on vehicles in mind.

Due to the film's enhanced durability and supreme conformability, this overlaminate is highly recommended for use in combination with Avery Dennison MPI cast media for applications on rivets and corrugations and/or for prolonged outdoor use.

Conversion

For processing tips and reference guides please refer to Technical Bulletins:

- » 5.3 Recommended combinations of Avery Dennison overlaminates and Avery Dennison Digital Print Media
- » 5.4 Processing tips for Avery Dennison DOL films

Recommendations

Protective overlaminate film for digital printed images for indoor and outdoor use. Avery Dennison DOL 1460 Max cast overlaminate can be used in combination with Avery Dennison MPI cast media for application on corrugated or riveted surfaces.

- » Vehicle graphics and vehicle wrapping
- » Interior & exterior signs
- » Durable promotional and point of sale advertising
- » All permanent applications requiring excellent conformability

Features

- » Premium quality, ultra-flexible, cast vinyl
- » Filmic liner provides a very glossy film which enhances image colours
- » Protects against UV radiation and abrasion for up to 8 years (vertical applications in Zone 1)
- » Excellent conformability to irregular substrates in combination with MPI cast media



Face Film

Premium quality 32 micron clear gloss cast vinyl



Adhesive

Permanent clear, acrylic based



Backing

Transparent synthetic, 70 g/m²



Durability

8 years (vertical exposure)



Shelf Life

2 years

Physical Characteristics

Product	Test method ¹	Results
Caliper, facefilm (micron)	ISO 534	32
Caliper, facefilm + adhesive (micron)	ISO 534	57
Gloss (GU)	ISO 2813, 20°	90
Dimensional stability (mm max.)	FINAT FTM 14	0.4
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (years)	Vertical exposure	8 years (Zone 1) 6 years (Zone 2) 4 years (Zone 3)
Fire Classification Rating	EN 13501-1	B-s1,d0
Adhesive		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	520
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	650
Temperature range		
Application temperature (Minimum: °C)		see TB 5.4
Service temperature (°C to +°C)		-40 to +80
Chemical properties³		
Chemical resistance	Mild acids	No effect
Solvent resistance	Mild alkalis	No effect
Solvent resistance	Applied to aluminium	No effect exposed to: oils, greases, aliphatic solvents, motor oils, heptane, kerosene and JP-4 fuel.

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..

3) Prolonged immersion in gasoline and similar fluids is not recommended.

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