

PRODUCT DATA SHEET

Avery Dennison® DOL 1360 Z Smart Lam

Issued: 09/2024

Introduction

Avery Dennison DOL 1360 Z cast overlaminate is a premium quality, ultra-flexible film designed to be used as protective overlaminate films for MPI 1103 EA Smart Wrap printed images.

The film offers extreme value for applications requiring enhanced colours and durability. Avery Dennison DOL 1360 Z overlaminate films have specially been developed to be used for vehicle graphics wrapping.

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



Face Film

Premium quality 30 micron clear gloss cast vinyl



Adhesive

Permanent, acrylic based



Backing

White bleached kraft paper, 130 g/m2



Durability

6 years



Shelf Life

2 years

Recommendations

Protective overlaminate film for digital printed images for indoor and outdoor use. Avery Dennison DOL 1360 Z Smart Lam cast film is the dedicated overlamination for Avery Dennison MPI 1103 EA Smart Wrap applications on the most challenging 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
- » DOL 1360 Z Gloss enhances image colours
- » Protects against UV radiation and abrasion
- » Excellent conformability to irregular substrates in combination with MPI 1103 EA

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	30
Caliper, facefilm + adhesive (micron)	ISO 534	50
Gloss (GU)	ISO 2813, 20°	70
Dimensional stability (mm max.)	FINAT FTM 14	0.2
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (years)	Vertical exposure	6
Fire Classification Rating	EN13501-1	B-s1, d0
Adhesive		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	400
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	500
Temperature range		
Application temperature (Minimum: °C)		see TB 5.4
Service temperature (°C to +°C)		-40 - +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.

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

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.

Avery Dennison warrants that its Products meet its specifications. Avery Dennison gives no other express or implied guarantees or warranties with respect to the Products, including, but not limited to, any implied warranties of merchantability, fitness for any particular use and/or non infringement. All Avery Dennison products are sold with the understanding that the purchaser has independently determined the suitability of such products for its purposes. The period of warranty is one (1) year from the date of shipment unless expressly provided otherwise in the product data sheet. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>.

Avery Dennison's aggregate liability to Purchaser, whether for negligence, breach of contract, misrepresentation or otherwise, shall in no circumstances exceed the price of the defective, non-conforming, damaged or undelivered Products which give rise to such liability as determined by net price invoices to Purchaser in respect of any occurrence or series of occurrences. In no circumstances shall Avery Dennison be liable to Purchaser for any indirect, incidental or consequential loss, damage or injury, including without limitation, loss of anticipated profits, goodwill, reputation, or losses or expenses resulting from third party claims.

© 2024 Avery Dennison Corporation. All rights reserved. Avery Dennison and all other Avery Dennison brands, this publication, its content, product names and codes are owned by Avery Dennison Corporation. All other brands and product names are trademarks of their respective owners. This publication must not be used, copied or reproduced in whole or in part for any purposes other than marketing by Avery Dennison.