

PRODUCT DATA SHEET

Avery Dennison® DOL 6460

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Introduction

Avery Dennison DOL 6460 series is a premium quality, flexible film designed for use as a protective overlamine film for digitally printed images where a sustainable PVC-free solution is required. DOL 6460 series offer exceptional high gloss, superior 3D conformability, and colour durability. DOL 6460 series are providing an overall paint-like finish of printed graphics. The film is supplied with its original PET casting sheet in order to protect the face film.

Description

Face-film : 38 micron high gloss polyurethane film, clear, flexible

Adhesive : permanent, acrylic based, clear

Backing paper : white kraft paper, 135g/m2

Conversion

Keep the PET protective sheet during lamination and remove the PET protective sheet afterwards. For further information about recommended laminator settings please refer to TB 5.4.

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".
- "5.10 Application of Avery Dennison PVC-free Wrapping Film".

Uses

Protective overlamine film for digitally printed images for indoor and outdoor use where sustainable PVC-free solution is required. Avery Dennison DOL 6460 series overlaminates can be used in combination with Avery Dennison MPI 1405 EA RS, MPI 1105 series and MPI 1104 series media for application on corrugated or riveted surfaces for vehicle graphics and vehicle wrapping, outdoor architecture applications and all permanent applications requiring excellent conformability.

Features

- Superior conformability to irregular substrates
- Outstanding durability and outdoor performance, including excellent UV resistance
- Excellent dimensional stability
- Protecting printed graphics image against UV radiation and abrasion
- Enhances colour and depth of image with eye-catching high gloss finish



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PRODUCT CHARACTERISTICS

Avery Dennison® DOL6460

Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	38 micron
Caliper, facefilm + adhesive	ISO 534	58 micron
Gloss, typical values	ISO 2813, 20°	90 gloss units
Elongation, typical values	DIN 53455	150 %
Dimensional stability	FINAT FTM 14	0.2 mm max.
Adhesion, initial	FINAT FTM-1, glass	440 N/m
Adhesion, ultimate	FINAT FTM-1, glass	600 N/m
Shelf life	Stored at 23°C/50-55% RH	2 years
Durability film	Vertical exposure	8 years

Temperature range

Features	Results
Lamination temperature	See Technical Bulletin
Service temperature	-40°C to +80°C

Chemical properties

Features	Results
Chemical resistance	Resistant to most mild acids, alkalis and salt solutions.

Prolonged immersion in gasoline and similar fluids is not recommended.

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.

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