

PRODUCT DATA SHEET

Avery Dennison® Crystal Glass Window Film Powered by EasyApply™

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Introduction

Avery Dennison Crystal Glass Window Film EasyApply™ is suitable for decorative and functional graphics on glass windows and screens, doors and mirrors. Avery Dennison Crystal Glass Window Film EasyApply™ also functions on other transparent media, like acrylic and polycarbonate sheets. Avery Dennison Crystal Glass Window Film EasyApply™ is recommended for use on flat and smooth surfaces.

Description

Facefilm: 80 micron calendered vinyl film, polymerically plasticised
Adhesive: permanent, transparent acrylic based with EasyApply™ technology
Backing paper: two side polyethylene coated kraft paper, 140 g/m²

Conversion

Avery Dennison Crystal Glass Window Film EasyApply™ can be converted on a wide range of plotters. Straight lines or edge cuts are feasible with this film. However, due to the nature of the adhesive and the special backing paper not all graphic designs and formats might be achievable. It is recommended to test the feasibility of the graphic prior to any production.

Printability

The Avery Dennison Crystal Glass Window Film EasyApply™ is a good candidate for screen and digital printing. However a print test prior to application is strongly recommended.

Features

- Durability: 9 years (indoor) / 5 years (outdoor)
- Translucent crystal-like special effects film
- Homogeneous matt face finish
- Excellent application performance on large surfaces
- No air entrapment or pleats during application
- Good outdoor durability
- Very good indoor durability
- Product width: 1,23m and 1,52m

Recommendations for use

Avery Dennison Crystal Glass Window Film EasyApply™ has been developed to create a typical surface finish for decorations on glass, as well as functional and manifestation graphics. Avery Dennison Crystal Glass Window Film EasyApply™ performs best on transparent media.

Recommendations for application

- Flat surfaces only
- DO NOT apply with water (wet method) or other fluid
- Reposition the product if any deviation occurs
- Use Avery Dennison Squeegee Pro to achieve maximum performance (no streaks)
- Use a high tack application tape for transfer of the graphic design

Physical properties

Avery Dennison® Crystal Glass Window Film Powered by EasyApply™

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	80 micron
Caliper, facefilm + adhesive	ISO 534	110 micron
Tensile strength	DIN 53455	1.7 kN/m
Elongation	DIN 53455	100 %
Gloss	ISO 2813, 85°	14 %
Dimensional stability	FINAT FTM 14	0.2 mm. max
Adhesion, initial	FINAT FTM-1, stainless steel	470 N/m
Adhesion, ultimate	FINAT FTM-1, Stainless steel	560 N/m
	Glass	510 N/m
	PMMA	510 N/m
	Polycarbonate	510 N/m
Flammability		self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability ²	90° Vertical exposure	indoor: 9 years outdoor: 5 years

Temperature range

Features	Results
Application temperature	Minimum: +10° C
Temperature range	-50° to +100° C

Chemical resistance

Features	Test method ¹	Results
Humidity resistance	200h exposure	No effect

Chemical solvent resistance

Features	Immersion time	Results
Water	24h	No effect
Detergent (1% solution)	24h	No effect
Detergent solution 65°C	8h	No effect
Isopropyl Alcohol / Water (20/80)	10 min	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 a good print and converting result we recommend to let the rolls acclimatize in the print/lamination room at least 24 hours 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

Avery Dennison® branded materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give any guarantee, warranty, or make any representation contrary to the foregoing.

All Avery Dennison® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

1) Test methods

More information about our test methods can be found on our website: www.graphics.averydennison.eu

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.