

PRODUCT DATA SHEET

Avery Dennison® Dusted Glass Window Film

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Introduction

Avery Dennison® Dusted Glass Window Film is suitable for decorative and functional graphics on glass windows and screens, doors and mirrors. Avery Dennison® Dusted Glass Window Film also functions on other transparent media, like acrylic and polycarbonate sheets.

Conversion

Avery Dennison® Dusted Glass Window Film has been especially developed for conversion on a wide range of computerised signmaking equipment.

Recommendations

Avery Dennison® Dusted Glass Window Film has been developed to create a typical surface finish for decorations on glass, as well as functional and manifestation graphics. Avery Dennison® Dusted Glass Window Film should be applied on flat surfaces and performs best on transparent media.

- » Flat surfaces only
- » Application to a substrate with the wet method will facilitate positioning
- » Addition of 0,5 % of neutral detergent to water will give you the right application fluid
- » Water to be removed with a squeegee and firm hand pressure
- » Allow the adhesive to build up sufficient adhesion level (this may take 15-45 minutes!) before application tape removal
- » Due to its unique finish, variances in appearance can be visible when the material is oriented in different directions. When utilizing Avery Dennison® Dusted Glass Window Film, always keep the application direction of the film consistent with the orientation of the film when cut from the roll and applied to the glass.

Features

- » Durability: 9 years (indoor) / 5 years (outdoor)
- » Milky translucent special effects film
- » Homogenous matt face finish
- » Excellent conversion properties
- » Easy cutting and weeding
- » New liner imprint design with square pattern to support manual conversion
- » Excellent adhesion
- » Product width: 1.23m



Face Film

80 micron calendered vinyl film, polymerically plasticised



Adhesive

permanent, acrylic based



Backing

one side coated bleached kraft paper, 135 g/m²



Durability

Up to 5 years outdoors (vertical exposure)



Shelf Life

2 years stored at 22°C/ 50% RH

Physical Characteristics

| | Test method ¹ | Results |
|--|------------------------------|-------------------------------------|
| Product | | |
| Caliper, facefilm (micron) | ISO 534 | 80 |
| Caliper, facefilm + adhesive (micron) | ISO 534 | 105 |
| Gloss (GU) | ISO 2813, 20° | 14 |
| Dimensional stability (mm max.) | FINAT FTM 14 | 0.20 |
| Shelf life (years) | Stored at 22° C/50-55 % RH | 2 |
| Durability ² (years) | Vertical exposure | Indoor: 9 years Outdoor: 5 years |
| Flammability | EN 13501-1 | B-s1, d0 |
| Adhesive | | |
| Tensile strength (kN/m) | DIN 53455 | 1.7 |
| Elongation (%) | DIN 53455 | 100 |
| Adhesion, initial (N/m) | FINAT FTM-1, stainless steel | 480 |
| Adhesion, after 24 hours (N/m) | FINAT FTM-1, stainless steel | 600 |
| | Glass | 600 |
| | PMMA/Polycarbonate | 700 |
| Temperature range | | |
| Application temperature (Minimum: °C) | | +10 |
| Service temperature (°C to +°C) | | -40 to +90 |
| Chemical properties³ | | |
| Humidity resistance | 200 hours exposure | No effect |
| Water resistance | 24 hours immersion | No effect |
| Detergent (1% solution) | 24 hours immersion | No effect |
| Detergent solution 65°C | 8 hours immersion | No effect |
| Isopropyl Alcohol / Water (20/80) | 10 minutes 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.

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

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