

PRODUCT DATA SHEET

Avery Dennison® Frosted Glass Window Film

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Introduction

Avery Dennison® Frosted Glass Window Film is suitable for short term decorative and functional graphics on glass windows and screens, doors and mirrors. Avery Dennison® Frosted Glass Window Film is especially developed for computer-aided signmaking systems and has a frosted glass appearance. Avery Dennison® Frosted Glass Window Film is an intermediate calandered vinyl film offering an indoor durability of up to 5 years.

Conversion

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

Avery Dennison® Frosted Glass Window Film is a good candidate for screen and digital printing. However, a print test prior to application is strongly recommended.

Recommendations

The Avery Dennison® Frosted Glass Window Film is specially developed to create the image of frosted decorations on glass, as well as functional and manifestation graphics. Avery Dennison® Frosted Glass Window Film can be applied on flat surfaces, and is best used on transparent surfaces like glass, acrylic sheets and polycarbonate materials.

- » Flat surfaces only
- » **Plain liner:** Application to a substrate with the wet method will facilitate positioning
- » **EA liner:** Dry application only
- » 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® Frosted 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: 5 years (indoor) / 3 years (outdoor)
- » Brilliant visual frosted effect
- » Excellent dimensional stability and layflatness during use and application
- » Liner imprint design with square pattern to support manual conversion
- » Easy cutting and weeding
- » Excellent conversion properties on computerised signmaking
- » Excellent adhesion
- » Product width: 1.23m



Face Film

75 micron matt intermediate calandered vinyl film with frosted glass appearance



Adhesive

permanent, solvent based



Backing

Plain: one side coated bleached kraft paper, 135 g/m²

Easy apply: Two side polyethylene coated kraft paper, 140 g/m²



Durability

Up to 3 years outdoor (vertical exposure)

Up to 5 years indoor



Shelf Life

2 years stored at 22°C/ 50% RH

Physical Characteristics

Product	Test method ¹	Results	
		Plain	Easy Apply
Caliper, facefilm (micron)	ISO 534	75 micron	75 micron
Caliper, facefilm + adhesive (micron)	ISO 534	100 micron	105 micron
Gloss (GU)	ISO 2813, 85°	18 %	
Dimensional stability (mm max.)	FINAT FTM 14	0,30 mm. max	
Shelf life (years)	Stored at 22° C/50-55 % RH	2 years	
Durability ² (years)	Vertical exposure	Indoor: 5 years	
		Outdoor: 3 years	
Adhesive			
Tensile strength (kN/m)	DIN 53455	1,67	
Elongation (%)	DIN 53455	Min. 150 %	
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	560	520
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	680	680
		760	760
	Glass		
Temperature range			
Application temperature (Minimum: °C)		Minimum +10°C	
Service temperature (°C to +°C)		-40°C to +90°C	
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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