

PRODUCT DATA SHEET

Avery Dennison® Interior Specialty Window Films

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Introduction

Avery Dennison® Specialty Window Films are ideal for enhancing the functionality and appearance of glass. Whether to provide privacy, delineate space, disguise unattractive features, or provide graphic impact. Graphic accents, company logos and icons can all be created easily.

Conversion

For conversion information please review the Technical Bulletin "Avery Dennison® Solar Window Film Interior".

Recommendations

Avery Dennison® DS Matte film has a translucent sandblasted appearance, ensuring both privacy enhancements and a design upgrade, whilst the Avery Dennison® DS UV filter option provides 100% UV block. Typically used in museums.



Face Film

DS Matte i; DS UV Filter i; Sputtered optical filter + Nanotechnology



Adhesive

Pressure sensitive Permanent – Solvent based acrylic



Backing

PET



Durability

12 years¹⁾



Shelf Life

When stored in original packaging upon arrival at the customer: 2 years. Recommended Storage conditions are 20 °C (± 2 °C) with 50 %RH (± 5%).

Features

- » Avery Dennison® DS Matte i, gives a translucent sandblasted effect, adding privacy or designer elegance to doors, windows and room dividers.
- » Avery Dennison® DS UV Filter i, blocks 100% UV radiation while providing a neutral appearance

Fire Certification: B-s1, d0 (DIN EN 13501-1)

¹⁾ Warranted 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. With regard to Avery Dennison Architectural Window Film Products, the durability shall not differ between the climatic zones, but the same durability shall apply to all climatic zones.

Physical Characteristics

Optical & Solar Properties:

	DS Matte i		DS UV Filter i	
	Single Pane	Double Pane	Single Pane	Double Pane
Visible Light Transmitted %	72	66	87	79
Visible Light Reflected (Int) %	0	0	0	0
Visible Light Reflected (Ext) %	17	23	11	18
U V Block %	94	95	100	100
Total Solar Energy Reflected %	14	18	9	15
Total Solar Energy Transmitted %	68	58	79	67
Total Solar Energy Absorbed %	18	24	12	18
Shading Coefficient	0,84	0,79	0,95	0,86
Total Solar Energy Rejected %	27	31	18	26
Solar Heat Gain Coefficient	0,73	0,69	0,82	0,74
Emissivity (Room side)	0,90	0,90	0,86	0,86
U-Value Winter	1,07	0,49	1,05	0,48
K-Value Winter	6,08	2,78	5,96	2,75
Glare Reduction %	20	19	3	3
Luminous Efficacy	0,86	0,83	0,92	0,93

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.

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