

# PRODUCT DATA SHEET

## Avery Dennison® Interior Specialty Window Films

Issued: 01/2021

### 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.

### 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)

<sup>1)</sup> 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.



#### Face Film

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



#### Adhesive

Pressure sensitive Permanent – Solvent based acrylic



#### Backing

PET



#### Durability

12 years<sup>1)</sup>



#### 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%).

## 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.

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.

Avery Dennison warrants that its Products meet its specifications. Avery Dennison gives no other express or implied guarantees or warranties with respect to the Products, including, but not limited to, any implied warranties of merchantability, fitness for any particular use and/or non infringement. All Avery Dennison products are sold with the understanding that the purchaser has independently determined the suitability of such products for its purposes. The period of warranty is one (1) year from the date of shipment unless expressly provided otherwise in the product data sheet. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>.

Avery Dennison's aggregate liability to Purchaser, whether for negligence, breach of contract, misrepresentation or otherwise, shall in no circumstances exceed the price of the defective, non-conforming, damaged or undelivered Products which give rise to such liability as determined by net price invoices to Purchaser in respect of any occurrence or series of occurrences. In no circumstances shall Avery Dennison be liable to Purchaser for any indirect, incidental or consequential loss, damage or injury, including without limitation, loss of anticipated profits, goodwill, reputation, or losses or expenses resulting from third party claims.

© 2021 Avery Dennison Corporation. All rights reserved. Avery Dennison and all other Avery Dennison brands, this publication, its content, product names and codes are owned by Avery Dennison Corporation. All other brands and product names are trademarks of their respective owners. This publication must not be used, copied or reproduced in whole or in part for any purposes other than marketing by Avery Dennison.