

PRODUCT DATA SHEET

Avery Dennison® Interior Clear Safety Films

Issued: 21/12/17
Revision: 1

Introduction

Avery Dennison **SF Clear** window films feature exceptional clarity, low reflectance and high levels of UV protection. A full range of film thicknesses from 4-12 mil ensure the appropriate solution for different threats and hazards.

Description

Color: Transparent
Technology: Advanced PS adhesive system

Face:

- SF Clear 4 mil i**
- SF Clear 7 mil i**
- SF Clear 8 mil i**
- SF Clear 12 mil i**

Adhesive: Solvent based acrylic pressure sensitive
Liner: PET
Durability¹: 12 years

Features:

- **Increased protection from glass** shattered by impact, blast, crime or natural disaster
- **Substrate compatibility** with glass, mirrors, or plastic & acrylic surfaces
- **Superb optical clarity** for no compromise vision

Common Applications:

Film can handle some blast effect on its own, but upgrading film with advanced security systems provides the best answer to blast protection:

- Hospitals, Banks, Shopping Malls
- Public Buildings
- Residential Buildings



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PRODUCT CHARACTERISTICS

Avery Dennison® Interior Clear Safety Films

Optical & Solar Properties:

	SF Clear 4 mil i	SF Clear 7 mil i	SF Clear 8 mil i	SF Clear 12 mil i
Visible Light Transmitted %	89	88	88	87
Visible Light Reflected (Int) %	10	11	11	11
Visible Light Reflected (Ext) %	6	6	6	6
U V Block %	97	99	99	99
Total Solar Energy Reflected %	9	9	9	10
Total Solar Energy Transmitted %	81	80	80	78
Total Solar Energy Absorbed %	10	11	11	12
Shading Coefficient	0,96	0,95	0,95	0,94
Total Solar Energy Rejected %	16	17	17	18
Solar Heat Gain Coefficient	0,84	0,83	0,83	0,82
Emissivity (Room side)	0,91	0,91	0,91	0,90
U-Value Winter	1,07	1,07	1,07	1,07
K-Value Winter	6,07	6,07	6,07	6,07
Glare Reduction %	1,23	2,28	2,28	3,10
Luminous Efficacy	0,93	0,93	0,92	0,93

Certification:

Fire Certification	DIN EN 13501-1	B-s1, d0	B-s1, d0	B-s1, d0	B-s1, d0
Impact	EN 12600	2B2	2B2	1B1	
Impact	BS6206	class B			
Impact	DIN EN 356				P2A
Bomb Blast	GSA Level C			3B	

1) 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.

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 without notice.

Warranty

All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>