## PRODUCT DATA SHEET

# **Avery Dennison®** Exterior Clear Safety Films

Issued: 10/2021

#### Introduction

Conversion

Avery Dennison® SF Clear X window films feature exceptional clarity, low reflectance and high levels of UV protection.

Bulletin "Avery Dennison® Safety Window Films".



#### Recommendations

These exterior safety films provide an additional level of protection from the external side of the window, ensuring that glass shards do not injure passing pedestrians. The transparent films offer excellent clarity, low reflectance and high UV protection, and are available in two different thicknesses.

#### **Features**

- Substrate compatibility with glass or mirrors
- Superb optical clarity for no compromise vision
- Forced entry, break-in protection



SF Clear 4 mil X; SF Clear 7 mil X translucent PET with exterior durable SR hard coat advanced PS adhesive system



#### Adhesive

Pressure sensitive Permanent - Solvent based



#### **Backing**

PET



#### **Durability**

5 years (vertical) and 3 years (horizontal/sloped)1)



#### **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%).

#### Certification:

	Norm	SF Clear 4 mil X	SF Clear 7 mil X
Fire Certification	DIN EN 13501-1	B-s1, d0	B-s1, d0
Impact	EN 12600	2B2	1B1

#### 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**

#### **Mechanical Properties:**

	SF Clear 4 mil X	SF Clear 7 mil X
Thickness	4 mil	7 mil
Tensile Strength at Break	28,500 PSI	26,000 PSI
Break Strength	112 lb/inch	180 lb/inch
Elongation at Break	125%	140%
Peel Strength	7 lb/inch	7 lb/inch

#### **Optical & Solar Properties:**

SF Clear 4 mil X	SF Clear 7 mil X
Single Pane	Single Pane
88	88
10	11
10	11
99	99
10	9
80	80
10	11
0,96	0,95
17	17
0,83	0,83
1,04	1,04
5,91	5,91
2	2
	Single Pane 88 10 10 99 10 80 10 0,96 17 0,83 1,04 5,91

### **Important**

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