

Avery Dennison® SF100 Ultra Clear Polyester

Removable Polyester

Revision: 9 Dated: 07/20/20

Uses:

Avery Dennison® SF100-103 Ultra Clear is a water clear film featuring a printable polyester face. SF100-103 Ultra Clear is ideal for applications such as printed window or decorative decals that require a removable clear film



Face: 2.0 mil (51µm) gloss polyester



Adhesive: Removable Clear Acrylic



Liner: 5 mil polyester



Durability: Up to 2 Year Outdoor
Up to 5 year Indoor

Application Surfaces: Flat

Features:

- High Gloss Finish
- Great image clarity and color pop
- Dimensionally stable liner for easy converting
- Screen printable
- UV Digital printable film
- Super clear film and adhesive

Conversion:

- Flatbed Sign-Cutting
- Drum Roller Sign-Cut
- Steel Rule Die-Cut
- UV Inkjet
- Latex
- Screen Printing

Common Applications:

- POP / Trade Show
- Window Graphics
- Outdoor Signage

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Physical Characteristics:

Property	Measurement	Typical Value
Caliper, face		2.0 mil (51 µm)
Caliper, adhesive		1.0 mil (25 µm)
Dimensional stability		<0.015" (0.38 mm)
Tensile at Yield		NA
Elongation		NA
Gloss	Hunter Gloss @ 60 degrees	90 GU
Adhesion:	15 min 24 hr	1.0 lbs/in (175 N/m) 1.5 lbs/in (262 N/m)
Removability		1 year
Flammability		Self Extinguishing
Shelf-Life		2 years from the date of manufacture (when stored at the following temperatures and humidity conditions 68°-77° F (20° - 25° C) and 50±5% R. H.)
Durability	Vertical Exposure	Outdoor Up to 2 years Indoor Up to 5 years (does not include applications exposed to direct sunlight through glass such as those near windows and doors)
Min. Application Temperature		50° F (10° C)
Service Temperature		-40° to 180°F (-40° to 82° C) (Reasonable range of temperatures which would be expected under normal environmental conditions).
Chemical resistance		Resistant to most mild acids, alkalis, and salt solutions
Compliance		California Proposition 65.

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Data represents average values where applicable, and is not intended for specification purposes.

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Related Documents:

The following Avery Dennison literature will provide necessary information to the user for proper application, storage, and other requirements and is available upon request from your Avery Dennison representative or from the Avery Dennison website (www.graphics.averydennison.com).

Document Title	Reference Number
<i>Substrate Cleaning and Preparation</i>	Instructional Bulletin # 1.10
<i>Storage, Maintenance and Cleaning of PVC Films</i>	Instructional Bulletin # 1.20
<i>Durability of Films</i>	Instructional Bulletin # 1.30
<i>Converting Tips for Sign Films</i>	Instructional Bulletin # 2.10
<i>Application of Avery Dennison™ Films Wet Application Method</i>	Instructional Bulletin # 4.20
<i>Tips for Overlaminating, Premasking & Packaging Graphics</i>	Instructional Bulletin # 5.50

Application:

Application on wet surfaces or using an application fluid (wet applied) may result in adhesive residues being left on the surface after removal when using the removable adhesive product. As no two surfaces are alike, trials are recommended prior to use in order to ascertain clean removability.

Special Considerations:

Because of the unique properties and varieties of glass, special considerations must be considered for windows and graphic applications. Avery Dennison accepts no liability for glass breakage.

- *Glass absorbs heat when exposed to sunlight. The degree of absorption across windows can vary because of shading, heating, and cooling ventilation, and insulation from window frames. These temperature differences across the window produce stress, which can cause glass breakage. The ability of glass to resist breakage because of temperature stress is affected by window size, glass thickness, glass treatments, quality, and design.*
- *Window cleaning methods also vary, from the type of cleaners used, to the washing methods employed. Specific chemicals used in window cleaners may affect the adhesion of pressure-sensitive graphics. Power washing methods may impact the adhesion of graphics, if the water pressure or temperature exceeds the graphics adhesion capability.*

Revisions are italicized

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