

Avery Dennison® SPF-XI™ Paint Protection Film

Polyester Liner

Revision: 2 Dated: 03/18/19

Uses:

Avery Dennison Supreme Protection™ Film XI (SPF-XI™) improves and safeguards vehicle aesthetics, while helping to retain resale value. A high quality polyurethane film helps to prevent damage from a range of challenges such as stone chips, road debris, insect stains and weathering - all without degrading the original paint finish, thanks to self-healing top-coat. The film is easy to apply, and ultra-clear to ensure excellent aesthetics.



Face: 6.5 mil (165 micron) gloss clear top coated polyurethane film



Adhesive: Permanent Acrylic (clear)



Durability: Up to 10 years vertical exposure**



Liner: 3 mil Polyester

Application Surfaces: Flat, simple curves, and compound curves

Features:

- Top coated, high gloss finish
- Self healing top coat provides excellent scratch resistance
- Premium grade, conformable polyurethane (PU) film
- Helps to protect painted surfaces from stone chips, road debris, insect stains and weathering
- Optical clarity providing invisible protection
- Outstanding durability and outdoor life
- Excellent UV, temperature, humidity, chemical and salt-spray resistance
- Excellent adhesion to new generation of automotive clear coats
- Protective PET top sheet helps maintain gloss and surface uniformity during transport*

Conversion:

- Flatbed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting
- Hand Cutting

Common Applications:

- Automotive
- Marine
- Recreational Vehicles

Product Data Sheet

Page 1 of 3



Graphics Solutions

www.graphics.averydennison.com
Customer Service: 800-282-8379

Avery Dennison® SPF-XI™ Paint Protection Film

Polyester Liner

Revision: 2 Dated: 03/18/19

Physical Characteristics:

Property	Measurement	Typical Value									
Caliper, face		6.5 mil (165 µm)									
Caliper, adhesive		1.5 mil (38 µm)									
Dimensional stability		<0.0059" (0.15 mm)									
Tensile at Yield		tensile at break 18.8 lbs/in									
Elongation		>200%									
Gloss	Hunter Gloss @ 20 degrees	>120 GU									
Opacity											
Adhesion:	Stainless 20 min 72 hr	2.0 lbs/in (350 N/m) 3.4 lbs/in (600 N/m)									
Flammability	FMVSS 302	Self Extinguishing									
Shelf-Life		1 year 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 Horizontal Exposure	<table border="1"> <thead> <tr> <th>Zone 1</th> <th>Zone 2</th> <th>Zone 3</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>8</td> <td>6</td> </tr> <tr> <td>5</td> <td>4</td> <td>3</td> </tr> </tbody> </table>	Zone 1	Zone 2	Zone 3	10	8	6	5	4	3
Zone 1	Zone 2	Zone 3									
10	8	6									
5	4	3									
	Heat Aging Water Immersion	500 hrs @ 194°F (90°C) - no significant change 400 hrs @ 104°F (40°C) - no significant change									
Min. Application Temperature		50° F (10° C)									
Service Temperature		-40° to 212°F (-40° to 100° C) (Reasonable range of temperatures which would be expected under normal environmental conditions).									
Chemical Resistance	Gasoline Resistance Diesel Resistance Water & Soap Mild Acids Motor Oil	30 min - no significant change 24 hours - no significant change 24 hours - no significant change 4 hours - no significant change 24 hours - no significant change									

Product Data Sheet

Page 2 of 3



Graphics
Solutions

www.graphics.averydennison.com
Customer Service: 800-282-8379

Avery Dennison® SPF-XI™ Paint Protection Film

Polyester Liner

Revision: 2 Dated: 03/18/19

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

Warranty:

This Warranty applies to the Product listed in this Data Sheet. All statements, technical information (including physical and chemical characteristics) and recommendations about Avery Dennison products are based upon tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold subject to the Purchaser's assent and agreement that Purchaser is responsible for, and has independently determined, the suitability of such products for its purposes or its customer's purposes. Avery Dennison products are warranted to be free from defects in material and workmanship (i) for two years from the date of manufacture, or (ii) from the date of manufacture until the expiration of the period stated on the specific Product Data Sheet in effect at the time of delivery. Such time periods are subject in either case to the proper storing and application of said product, and the failure to properly store or apply the product, including without limitation the failure to follow any applicable Instructional Bulletin, negates any warranty. It is expressly agreed and understood that Avery Dennison's sole obligation and Purchaser's exclusive remedy under this warranty, under any other warranty, express or implied, or otherwise, shall be limited exclusively to: (a) repair or replacement of defective product without charge at Avery Dennison's plant or at the location of the product (at Avery Dennison's election), or (b) in the event repair or replacement are not commercially practical, a credit amount up to the price of the product taking into account the defect in the product in Avery Dennison's sole discretion.

THE WARRANTY EXPRESSLY SET FORTH ABOVE IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR USE AND/OR NON-INFRINGEMENT. SELLER SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER SUCH WARRANTIES. NO WAIVER, ALTERATION, ADDITION OR MODIFICATION OF THE FOREGOING CONDITIONS SHALL BE VALID UNLESS MADE IN WRITING AND MANUALLY SIGNED BY AN OFFICER OF AVERY DENNISON.

AVERY DENNISON'S LIABILITY FOR DEFECTIVE PRODUCTS SHALL NOT EXCEED THE PURCHASE PRICE PAID THEREFORE BY PURCHASER AND IN NO EVENT SHALL AVERY DENNISON BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHETHER FORESEEABLE OR NOT, CAUSED BY DEFECTS IN SUCH PRODUCT, WHETHER SUCH DAMAGE OCCURS OR IS DISCOVERED BEFORE OR AFTER REPLACEMENT OR CREDIT, AND WHETHER OR NOT SUCH DAMAGE IS CAUSED BY AVERY DENNISON'S NEGLIGENCE.

All sales and contracts for sale of Products are subject to Purchaser's assent and agreement to this Warranty. Avery Dennison hereby objects to any terms or conditions contained in any purchase order or other communication of any kind from the Purchaser that is conflicting, inconsistent or additional to this Agreement.



Failure to install the film in full compliance with Avery Dennison's installation instructions may result in personal injury or property damage. Read and follow all instructions when installing the film.

Revisions are italicized

Avery Dennison® is a registered trademark and Supreme Protection™ and SPF-XI™ are trademarks of Avery Dennison Corporation

Product Data Sheet

Page 3 of 3



Graphics
Solutions

www.graphics.averydennison.com
Customer Service: 800-282-8379