

Avery Dennison® neo™ Paint Protection Film

Polyester Liner

Revision: 0 Dated: 07/14/20

Uses:

Avery Dennison™ neo™ is a distinctive solid color film with noticeable color depth and excellent high gloss finish. The neo line of hybrid films are a unique polyurethane and adhesive technology that gives vehicles an OEM paint like finish while protecting it from harmful daily elements. Use neo to create special effects and accents, transform a hood or a roof with this conformable film that has an exceptionally smooth finish.



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



Adhesive: Permanent Acrylic (clear)



Durability: Up to 5 years



Liner: 3 mil Polyester

Application Surfaces: Flat, simple curves, and compound curves

Features:

- Superior high gloss level and paint like finish
- 3D conformability around curves and recesses
- Self-healing performance absorbs impact from scratches and debris
- Stain and yellowing resistance
- Long term durability
- Up to 5 year warranty
- UV stability
- Excellent adhesion designed for wet application
- Protective PET top sheet helps maintain gloss and surface uniformity during transport*

Conversion:

- Flatbed Sign-Cut*
- Sign-Cut*
- Hand Cutting

*must remove cap sheet

Common Applications:

- Automotive
- Recreational Vehicles

Product Data Sheet

Page 1 of 4



Graphics
Solutions

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

Avery Dennison® neo™ Paint Protection Film

Polyester Liner

Revision: 0 Dated: 07/14/20

Physical Characteristics:

Property	Measurement	Typical Value
Caliper, face		6.5 mil (165 µm)
Caliper, adhesive		1.2 mil (30 µm)
Dimensional stability		
Tensile at Yield		tensile at break 23 lbs/in
Elongation		>250%
Gloss	Hunter Gloss @ 20 degrees	>90 GU
Opacity		Opaque
Adhesion:	Stainless 15 min 24 hr	2.6 lbs/in (455 N/m) 3.6 lbs/in (630 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	5 years 5 years NOTE: New Mexico, Nevada, Arizona, Colorado, Southern California, and Hawaii will have a 2 year reduction in durability
Rock Chip Testing	SAE J400	Pass
Min. Application Temperature		50° F (10° C) Flat & Simple Curves 60° F (16° C) Complex Curves NOTE: When application temperatures are at the minimum recommended temperature, using a warm slip solution will help improve initial adhesion.
Service Temperature		-40° to 212°F (-40° to 100° C) (Reasonable range of temperatures which would be expected under normal environmental conditions).
Chemical Resistance	Motor Oil Windshield Washer Fluid Water 20% Iron Oxide Rust Road Tar Black Spray Paint	24 hours - no significant change 24 hours - no significant change 24 hours - no significant change 4 hours - no significant change (after surface wiping with 90% IPA) 24 hours - no significant change (after surface wiping with 90% IPA)

Product Data Sheet

Page 2 of 4



Graphics
Solutions

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

Avery Dennison[®] neo[™] Paint Protection Film

Polyester Liner

Revision: 0 Dated: 07/14/20

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.

⚠ WARNING

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.

Product Data Sheet

Page 3 of 4



Graphics
Solutions

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

Avery Dennison® neo™ Paint Protection Film

Polyester Liner

Revision: 0 Dated: 07/14/20

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
Substrate Cleaning and Preparation	Instructional Bulletin #1.10
Cleaning and Maintenance of Vehicle Wraps	Instructional Bulletin #1.50
Paint Protection Film Application	Instructional Bulletin #4.30

Application:

Avery Dennison Paint Protection Film is designed for application on solid surfaces such as passenger vehicles and recreational vehicles.

Durability:

Durability is the period of time the product is expected to perform satisfactorily when applied vertically or horizontally in any zone or region., provided that the film is properly stored, converted and installed in accordance with Avery Dennison guidelines. The term of Avery Dennison's warranty is equal to the product's durability.

Abrasion and Loss of Gloss are not covered by any Avery Dennison Warranty. These changes are considered normal wear and tear.

Other factors which may reduce the durability of this product series include: surface texture, surface preparation, application method, angle and direction of the sun, environmental conditions, cleaning & maintenance.

Products containing petroleum distillates or solvents such as soaps, waxes, or protective coatings, void any warranty, and may cause premature failure of the material.

neo Durability:

Months		
	Vertical	Non Vertical / Horizontal
neo noir	5 years	5 years

NOTE: New Mexico, Nevada, Arizona, Colorado, Southern California, and Hawaii will have a 2 year reduction in durability

Reference [Instructional Bulletin 1.30](#) for zones by geographic location.

- Non-vertical: The face of the graphic is between 10° to 45° from vertical. Specifically for Supreme Wrapping Film (SW900) Non-vertical exposure performance will be calculated using the Horizontal exposure value.
- Horizontal: The face of the graphic is between 45° and 90° from vertical, for Supreme Wrapping Film (SW900) Horizontal applications will be warranted as stated in this ICS Performance Guarantee Bulletin.
- Vertical: The face of the graphic is between 0 and 10 degrees from vertical.

Revisions are italicized

Avery Dennison® is a registered trademark and NEO™ is a trademark of Avery Dennison Corporation

Product Data Sheet

Page 4 of 4



Graphics
Solutions

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