

# Avery Dennison<sup>®</sup> Supreme Wrapping Film<sup>™</sup> Giovanna Colours - Limited Edition -

Opaque/Metallic/Specialty

Easy Apply<sup>™</sup> RS Long Term Removable - StaFlat<sup>™</sup>

Revision: 2EU Dated: 30/05/16

## Uses:

Avery Dennison Supreme Wrapping Film<sup>™</sup> Easy Apply Cast Vinyl Film Series is a premium quality cast film designed for use in vehicle and graphics markets where high quality film finish and cost effective full colour wrapping is required. The patented Avery Dennison Easy Apply RS feature allows for faster positioning, bubble free application, and long term removability.

## Features:

- SWF Giovanna satin or matte, super conformable film
- Unique patented adhesive technology
- Superior conformability to irregular substrates
  - Deeply concave shaped
  - Extremely convex shaped
  - Best conformance in channels
- Outstanding durability and outdoor performance
- Excellent UV, temperature, humidity, and salt-spray resistance
- Easy Apply feature helps prevent wrinkles and bubbles during application
- Excellent removability



**Face:** Cast Film



**Adhesive:** Long Term Removable Acrylic



**Liner:** 90# StaFlat, Poly-Coated with Easy Apply RS technology



**Durability & Warranty:** See durability table starting on page 5.

## Application Surfaces:

Flat, Flat with Rivets, Corrugations, Deep Recesses

\*NOTE: Films with face thickness 102 micron and above may have reduced conformability.

## Common Applications:

- Trucks
- Trailers
- Cars & Vans
- Emergency Vehicles
- Buses

## Product Data Sheet



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

### Physical Characteristics:

Property	Typical Value	
Caliper, face	80 µm Reference Colour & Durability Chart in this document for caliper for specific film <i>*NOTE: Films with face thickness 4 mil (102 micron) and above may have reduced conformability.</i>	
Caliper, adhesive	30 µm	
Applied Shrinkage, max.	<0.254 mm	
Tensile at Yield	0.7–1.5 kg/cm	
Elongation	200% at break	
Gloss	Measured @ 60°	Satin – 20-30 GU Matte - <15 GU
Adhesion: Stainless Steel	(FTM-1, FINAT)	
	15 min.	370 N/m
	24 hrs.	440 N/m
	1 week	525 N/m
Flammability	Self Extinguishing	
Shelf-Life	2 years from date of manufacture when stored at the following temperatures and humidity conditions 20° - 25° C and 50±5% R. H.	
Durability	Reference colour and warranty charts in this data sheet.	
Min. Application Temperature	10° C Flat & Simple Curves 16° C Complex curves	
Service Temperature	-45° 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.	
Removable	For the length of the applicable warranty period. Reference colour and warranty charts in this data sheet.	

### 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 graphics products are warranted to be free from defects in material and workmanship for two years from the date of manufacture. When the product is properly applied, the warranty period is as stated in the product's specific Product Data Sheet in effect at the time of shipment to Avery Dennison's customer.

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.

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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.eu](http://www.graphics.averydennison.eu)).

Document Title	Reference Number
Cleaning and preparation of application substrates	Technical Bulletin #1.1
Cleaning and maintenance of Avery Dennison decals and Graphics	Technical Bulletin #1.6
Durability of Avery Dennison Graphics Films	Instructional Bulletin #1.30
Application Instructions - Cast Films	Technical Bulletin #1.32

## Application:

Avery Dennison Supreme Wrapping Film is designed for application onto solid surfaces such as passenger vehicles, buses, trains, and watercraft. To ensure colour consistency when wrapping a vehicle, ensure the material used is from one production lot # of material.

**Important Note: Never use a wet application method to apply this film.**

Some slight colour shift may occur between rolls or lots, therefore, minimizing the mixing of rolls/lots on a specific vehicle is encouraged. If multiple rolls are needed be sure to use only rolls from the same production lot.

All vehicle substrates must be cleaned according to Avery Dennison recommended cleaning practices as outlined in IB # 1.10 "Substrate Cleaning and Preparation".

Due to the unique finish and manufacturing process of metallic and pearlescent films, variances in colour can be visible when the material is oriented in different directions. When utilizing metallic and pearlescent films, always keep the application direction of the film consistent with the orientation of the film when cut from the roll and applied to the vehicle. One roll should be used per vehicle, wherever possible to minimize any possible colour shifts between rolls or lots.

See TB #1.32 "Application Avery Dennison Supreme Wrapping Film" for complete application recommendations. For cleaning and care recommendations see TB #1.6.

Important Note: Only use Avery Dennison recommended cleaning products and solutions (noted in TB1.6). Cleaning and maintenance products should conform to the following:

- Free from abrasive components
- Ideally pH balanced, thus not highly acidic or alkaline (pH level between 5 and 9)
- Free from alcohol (non isopropyl), acids, ammonia, chlorine, glycol ethers, harmful detergents, petroleum distillates and phosphates

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## Unsuitable Uses:

This Avery Dennison product is not designed or recommended for the following uses. Unsuitable applications or exposure conditions include, but is not limited to:

- Paint that is not thoroughly cured or dried
- Low surface energy substrates (i.e. Tedlar<sup>®</sup> coatings)
- Substrate surfaces that are not clean and smooth (little or no variation in texture)
- Painted substrates with poor paint-to-substrate, or paint-to-paint bond
- Stainless steel
- Film applied to non-Avery Dennison Films
- Film applied to pre-existing graphics (pre approval required)
- Watercraft below the static water line
- Watercraft which are not edge sealed
- Non-OEM painted vehicles
- Graphic removal from paint with poor adhesion or existing graphics
- Graphics exposed to oil, harsh chemical, or gasoline vapors or spills
- Graphics where application tape must adhere to liner
- Plotter cut text where the minimum size of the text or dimension of the object is less than 2 in (51 mm)

## Removability:

The removability listed in the physical characteristics section "Clean removability" means removable with less than 20% adhesive residue when using appropriate heat and chemical removal methods. See Instructional Bulletin 4.10 for removal instructions.

**Avery Dennison does not warrant removability from the following substrates:**

- Surfaces with poor paint-to-substrate adhesion
- Wallboard (painted or unpainted)
- Pre existing graphics that must remain intact; damage to existing graphic when film is removed
- Improperly cured paint
- Oxidized or chalked substrates
- Horizontally exposed outdoor applications (as defined in Instructional Bulletin 1.30)
- Stainless Steel

**Avery Dennison makes no warranty for:**

- Paint/Clear Coat Staining: Avery Dennison does not warrant vehicle paint staining that may be visible after removing material which has cracked or discoloured. To reduce the risk of this problem, always remove the graphic at the first sign of a change in the surface of the material
- Ease or speed of removal of any graphic
- Removal from automotive paint that is greater than 5 years old
- Removal from paint that is improperly cured
- Removal from aged paint or metals, surface oxidation or chalking; user must test, approve and accept liability for such applications

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## Application to Glass:

There is no coverage for graphics applied to glass, and possible breakage for glass applications of this film series.

Note: Avery Dennison does not recommend the use of Supreme Wrapping Film to be used as block out film for window applications.

## Expected Durability Versus Warranty:

Expected Durability is the estimated period of time the product should, but is not warranted to, perform satisfactorily when applied in vertical exposure conditions as defined in Instructional Bulletin 1.30, provided that the film is properly stored, converted and installed in accordance with Avery Dennison guidelines.

The warranty is the maximum period of time Avery Dennison will warrant the finished product performance.

Definitions for exposure angles, and Zone Charts, which may reduce the overall durability and warranty of the product are available in Instructional Bulletin 1.30. Materials applied in horizontal applications in Zone 2, or Zone 3 in the charts will have zero years warranty coverage. Otherwise warranty is noted in the SWF Colours & Durability sections of this data sheet. All warranties are subject to the terms of this data sheet.

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 methods, angle and direction of 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.

Matte finished materials are subject to extreme colour and gloss shift when exposed to cleaners, wax, and polish. Test an inconspicuous area prior to using any cleaners, wax, and polish. The end user assumes complete responsibility to ensure that matte finishes are not affected during cleaning or protecting.

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Vertical Durability is noted first and horizontal durability is in parenthesis. For colour samples please contact your Avery Dennison representative.

Name	Colour and Durability	Face Caliper	Expected Durability Zone 1 Vertical Years	Warranty Period Zone 1 Vertical (Horizontal) Years	Finish
BG2430001	Satin Pearl Nero	80 µm)	3	1.5 (0.5)	Satin
BG2410001	Satin Pearl Cielo Blu	80 µm	3	1.5 (0.5)	Satin
BG2420001	Matte Metallic Grigio	80 µm	7	3 (1)	Matte
BG2390001	Satin Azure	80 µm	4	2 (1)	Satin
BG2400001	Satin Pearl Koko	80 µm	3	1.5 (0.5)	Satin

Revisions are italicized

Avery Dennison is a registered trademark of Avery Dennison Corporation

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