

NIGHT VISIBLE NV-1100 Series 4-yr. Reflective Vinyl

Features a StaFlat Liner for Screen Printing

Applications and Permanent Adhesive

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Description:

Avery Dennison® Night Visible NV-1100 Series features a 90# Imprinted StaFlat Liner for Screen Printing Applications and a Permanent Adhesive. The Avery Dennison NV-1100 Reflective Vinyl is an economical, enclosed lens, retroreflective film that has been designed for short-term advertising/promotion, bumper stickers, vehicle emblems, and a variety of decorative striping applications.

Construction:

Face Film	High Gloss, Premium, Retroreflective Vinyl Film
Adhesive	Permanent, Pressure-sensitive, Clear Acrylic
Release Liner	90# Imprinted StaFlat
Standard Colors	White

Physical Properties:

The following information on physical and chemical characteristics is based upon tests believed to be reliable. The values are intended only as a source of information. They are given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of this material for his/her specific purpose. (Data represents averages and is not intended for use as a specification.)

Outdoor Durability	4 years when properly processed and applied (vertical exposure, unprinted film)
Minimum Surface/Ambient Air Application Temperature	50° F (10° C)
Application Surface	Flat, complex and simple curves, flat with rivets, and corrugations with rivets. Not recommended for unpainted stainless steel applications. NOTE: Wet method of application not recommended on NV-1100 Series reflective film. Lamination of NV-1100 over any NV product is not recommended. Use of wet method of application or application of an NV product over another NV product invalidates standard warranty.
Typical Applications	Trucks and Buses, Auto, RV, Marine, Architectural, Promotional
Service Temperature Range	-40° to 180° F (-40° to 82° C) Reasonable range of temperatures that would be expected under normal environmental time and temperature conditions.
Typical Film Caliper w/Adhesive	7.0 ± 0.5 mils (178 + 13 µm)
Typical Coefficient of Retroreflection	White 50 (Tested per ASTM E810 at -4° EA/0.2° OA)
Typical Adhesion Values:	180° Peel
Substrate	15 min 24 hr



PRODUCT DATA BULLETIN

	Anodized Aluminum	3.2 lbs/in	5.3 lbs/in
	OEM Automotive Paint	3.8 lbs/in	5.2lbs/in
	NOTE: Tested per ASTM D1000. Always pre-test your specific substrate prior to actual application.		
Shelf Life	One year when stored at the following temperatures and humidity conditions 68°-77° F (20° - 25° C) and 50±5% R. H.		
Dimensional Stability	Less than 0.03 in. (0.76mm) 1000 hours Atlas Twin Arc Weatherometer, EH		

Typical Converting Methods:

Screen	Reference Instructional Bulletins 3.00
Thermal Die Cutting	Reference Instructional Bulletin 8.20. 270° F to 300° F (132° C to 149° C) for 0.5-2.0 seconds Cutting temperatures and dwell times will vary with differences in die configuration and individual machines. Always test prior to production.
Guillotine Cutting	Reference Instructional Bulletin 8.20
Steel Rule Die-Cutting	Reference Instructional Bulletin 8.20
Sign Cutting	Not recommended

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