

NIGHT VISIBLE NV-300 Series 2-yr. Reflective Polyester
Features a StaFlat Liner for Screen Printing
Applications and Permanent Adhesive
Issued: 04/18/05

Description:

Avery Dennison® Night Visible NV-300 Reflective Printable Polyester film is an economical, enclosed lens, retroreflective film that features a 90# Imprinted StaFlat Liner for Screen Printing Applications and a Permanent Adhesive.

Construction:

Face Film	High Gloss, Premium, Retroreflective Polyester 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	2 years when properly processed and applied (vertical exposure, unprinted film)
Minimum Surface/Ambient Air Application Temperature	50° F (10° C)
Application Surface	Flat. Not recommended for unpainted stainless steel applications. NOTE: Wet method of application not recommended on NV-300 Series reflective film. Lamination of NV-300 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	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	6.2 ± 0.5 mils (157 + 13 µm)
Typical Coefficient of Retroreflection	White 50 (Tested per ASTM E810 at -4° EA/0.2° OA)
Shelf Life	One year when stored at the following temperatures and humidity conditions 68°-77° F (20° - 25° C) and 50±5% R. H.

PRODUCT DATA BULLETIN

Dimensional Stability	Good to excellent. Determined by measuring shrinkage of unprinted film applied to a 36 in. ² (232 cm ²) aluminum test panel after 72 hours aging at 73° F (23° C) 50±5% RH Followed by 48 hours at 150° F (65° C)
------------------------------	--

Typical Converting Methods:

Screen	Reference Instructional Bulletins 3.00
Thermal Die Cutting	Not recommended
Guillotine Cutting	Reference Instructional Bulletin 8.20
Steel Rule Die-Cutting	Reference Instructional Bulletin 8.20. (Throughcut only; not suggested for kiss-cut applications.)
Sign Cutting	Not recommended

WARRANTY: All statements, technical information 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 with the understanding that Purchaser has independently determined the suitability of such products for its purposes. Avery Dennison products are warranted to be free from defects in material and workmanship for either one year (or the period stated on the specific product information literature in effect at time of delivery, if longer) from date of shipment if said product is properly stored and applied. 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 to repair or replacement of defective product without charge at Avery Dennison's plant or at the location of product (at Avery Dennison's election), or in the event replacement or repairs is not commercially practical, to Avery Dennison's issuing Purchaser a credit reasonable in light of the defect in the product.

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.

NO EXPRESS WARRANTIES AND NO IMPLIED WARRANTIES, WHETHER OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE, OR OTHERWISE (EXCEPT AS TO TITLE), OTHER THAN THOSE EXPRESSLY SET FORTH ABOVE WHICH ARE MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, SHALL APPLY TO PRODUCTS SOLD BY AVERY DENNISON. AVERY DENNISON 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.

