

Avery Dennison® OL-1000
Transparent Overlaminare Film
For Anti-Graffiti Protection

Data Bulletin # OL-1000
 Revised 02/2004

Description:

Avery Dennison® OL-1000 overlaminare film is a high quality overlaminare film designed to protect ink printed systems, reflective sheeting and graphics from damage caused by graffiti. Avery OL-1000 has excellent weatherability and is designed for direct lamination to signage, displays and retroreflective markings.

Construction:

Face Film:	1.2 mil optically clear film
Adhesive	Permanent pressure-sensitive adhesive
Liner:	White Polyethylene Coated Paper StaFlat®

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	Matches the durability of the Avery Dennison retroreflective sheeting to which it is applied
Minimum Surface/Ambient Air Application Temperature	+55°F (13°C) when applied with a squeeze roll applicator
Application Surface	Recommended for flat surfaces only . OL-1000 can be applied to printed and unprinted Avery Dennison sheeting
Surface Temperature Range	-40°F to +180°F (-40°C to 82°C)
Typical Film Caliper (w/adhesive)	1.7 to 2.7 mils
Minimum Adhesion Values	180° peel Substrate Stainless Steel 1.25 lb./in. 15 min. Always pretest your specific substrate prior to actual application
Shelf Life	One year when stored at 68°-77°F (20°-25°C) and 50% ± 5% R.H.
Dimensional Stability	MD 3% shrinkage, CD 3.5% shrinkage

Solvent Resistance:

When properly processed and applied, the film is resistant to most common solvents. When tested according to LS-300C, Section 3.6.2, immersion in the following solvents for the specified length of time the film shows no deterioration:

Kerosene	10 minutes
Turpentine	10 minutes
Toluene	1 minute
Xylene	1 minute
Methyl Alcohol	1 minute

Avery Dennison® OL-1000 continued...

Typical Printing & Converting Methods:

OL-1000 is intended for use as an overlaminate film only. Printing is not recommended.

General Processing Guidelines (recommended 72°F):

- Pre-feed the Avery Dennison OL-1000 Anti-Graffiti film into the laminator nip.
- Substrate should be laminated between the film and liner.
- Complete lamination with even tension across the film.
- Allow material and substrate to set at room temperature for twenty-four hours prior to placement into the field.
- The film should not overlap during application.
- Storage should consist of a face to face stacking procedure using a non permeable separator
- Refer to Instructional Bulletin 8.10 for detailed information on storage of finished signs.

Cleaning Instructions:

Avery Dennison OL-1000 Premium Anti-Graffiti film can be cleaned when defaced with most common graffiti materials. Cleaning is accomplished through the use of a mild graffiti cleaning solvent and should be tested on an inconspicuous area prior to complete treatment.

Materials Required	Action Item
Mild graffiti removal solvent	Generously apply solvent to the entire defaced area Allow the Solvent to set on the material for a period of one minute.
Non-abrasive paper towel	Wipe the solvent and graffiti from the affected area.
Mild graffiti removal solvent Non-abrasive nylon scouring pad	If necessary, reapply the solvent for a period of two minutes on heavily effected areas. Remove with a paper towel then nylon non-abrasive scouring pad.
Paper towel & water	Remove solvent residue with water and a non-abrasive paper towel.

Warranty:

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.

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