

Avery Dennison® DOL 6560

Optically Clear Polyester

Transparent Synthetic

Revision: 1 Dated: 03/13/17

Uses:

Avery Dennison® DOL 6560 Optically Clear Gloss Polyester film designed for use as a protective overlamine film over perforated window graphics. DOL 6560 offers an exceptional value for applications requiring high gloss finish, improved scratch resistance, and excellent optical durability.



Face: 1.0 mil (25 microns) high gloss polyester film



Adhesive: Permanent Acrylic (clear)



Liner: 1.0 mil (25 microns) transparent polyester



Durability: Up to 1 year

Application Surfaces:

Flat

Features:

- High gloss finish
- Protects image from scratches
- Enhances color and depth of image
- Dimensionally stable liner for easy converting
- Excellent dimensional stability
- Aids in application of printed graphic
- Environmentally responsible alternative films compared to traditional self-adhesive PVC films.
- *ASTM E84 Class 1 or A rating*

Conversion:

- Cold Overlaminating
- Flat Bed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting

Common Applications:

- Architectural Signage
- Directional Signage
- Emergency Vehicles
- Trains and Light Rail
- Buses
- Outdoor Advertising
- Nameplates
- Emblems
- Window Graphics (for perforated window film only)

Product Data Sheet

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Graphics
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Customer Service: 800-282-8379

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Physical Characteristics:

| Property | Value | |
|------------------------------|---|--------------------|
| Caliper, face | 1.0 mil (25 µm) | |
| Caliper, adhesive | 1.0 mil (25 µm) | |
| Dimensional stability | Excellent. Determined by measuring shrinkage of film applied to 36 in. ² (232 cm) aluminum test panel after 72 hrs aging at 73° F (23° C) followed by 48 hrs at 150° F (65° C) | |
| Tensile at Yield | | |
| Elongation | | |
| Gloss | Hunter Gloss @ 60 | 90 ±10 |
| Adhesion: | | |
| 15 min. Stainless Steel | 4.3 lbs/in (745 N/m) | |
| Flammability | ASTM E84 Class 1 or A rating | Self Extinguishing |
| Shelf-Life | 1 year from date on label | |
| Durability | Vertical Exposure | Up to 1 years |
| Min. Application Temperature | 40° F (4° C) | |
| Service Temperature | -40° F to 257° F (-40° C to 125° C) (Reasonable range of temperatures which would be expected under normal environmental conditions). | |
| Chemical resistance | Resistant to most mild acids, alkalis, and salt solutions. | |

| Chemical | Adhesion to Stainless Steel | | Visual Appearance | Edge Penetration mm |
|-----------------------|-----------------------------|-----|-------------------|---------------------|
| | lbs/in | N/m | | |
| 1. 70% IPA | 5.1 | 897 | No Change | 0 |
| 2. Tide® Detergent | 4.6 | 798 | No Change | 0 |
| 3. Engine Oil (10W30) | 4.8 | 845 | No Change | 0 |
| 4. Water | 2.3 | 404 | No Change | 0 |
| 5. Amonia pH 11 | 1.9 | 326 | No Change | 0 |
| 6. 409® Cleaner | 2.4 | 426 | No Change | 3.1 |
| 7. Toluene | 2.1 | 371 | No Change | 6.4 |
| 8. Brake Fluid | 5.0 | 873 | No Change | 0 |
| 9. Reference Fuel C | 3.2 | 558 | No Change | 3.3 |
| 10. Kerosene K1 | 4.3 | 759 | No Change | 3.1 |
| 11. Heptane | 3.8 | 668 | No Change | 0 |

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.

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Limitation of End Uses:

Certain applications are not recommended or warranted by Avery Dennison®. Unsuitable applications or exposure conditions include:

- Lamination of PVC based non perforated MPI print media with DOL 6560 applied to glass is not warranted. The thermal expansion values of the PVC MPI print media, the polyester DOL 6560 and glass differ and based on ink coverage and exposure conditions, the laminated graphic may wrinkle/tunnel after application. This wrinkling/tunneling is not covered under any warranty.

Special Considerations:

Because of the unique properties and varieties of glass, special considerations must be considered for windows and graphic applications. Avery Dennison® accepts no liability for glass breakage.

- Glass absorbs heat when exposed to sunlight. The degree of absorption across windows can vary because of shading, heating, and cooling ventilation, and insulation from window frames. These temperature differences across the window produce stress, which can cause glass breakage. The ability of glass to resist breakage because of temperature stress is affected by window size, glass thickness, glass treatments, quality, and design.
- Window cleaning methods also vary, from the type of cleaners used, to the washing methods employed. Specific chemicals used in window cleaners may affect the adhesion of pressure-sensitive graphics. Power washing methods may impact the adhesion of graphics if the water pressure or temperature exceeds the graphic's adhesion capability.

Revisions are italicized

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