

Avery Dennison® DOL 3960 Value Film

Gloss Clear Short Life Promotional Overlaminates

Features

- Exceptional value for money for short life promotional graphics
- Gloss finish for vibrant colours
- Very good transparency
- Provides good UV and weathering resistance to printed graphics
- Provides some abrasion and chemical resistance to graphics
- Good dimensional stability during conversion and application
- Good outdoor durability and performance for short life graphics

Description



Film: 95 micron gloss clear monomeric calendared vinyl



Adhesive: Clear permanent acrylic



Backing: One side PE coated paper, 140 g/m²



Outdoor Life: Up to 1 year - Asia Pacific

Conversion[^]

- | | |
|--|--|
| <input type="checkbox"/> Flat bed cutters | <input checked="" type="checkbox"/> Cold overlaminate |
| <input type="checkbox"/> Friction fed cutters | <input type="checkbox"/> Electrostatic printing |
| <input checked="" type="checkbox"/> Die cutting | <input type="checkbox"/> Latex inkjet |
| <input type="checkbox"/> Thermal transfer | <input type="checkbox"/> Eco solvent inkjet |
| <input type="checkbox"/> Screen printing | <input type="checkbox"/> Solvent inkjet |
| <input type="checkbox"/> Offset printing | <input type="checkbox"/> UV curable inkjet |

[^]Always test with your combination of printer and inks prior to commercial use.

Uses

Avery® DOL 3960 Value Film Gloss is a gloss monomeric calendared overlaminates designed for use as a protective overlaminate film for digital inkjet printed images suitable for indoor or short term outdoor images on flat surfaces, where a vibrant gloss finish is required.

Common Applications

- Point of sale graphics
- Outdoor advertising
- Exhibition graphics
- Window graphics
- Real estate signage
- Vehicle advertising
- Promotional signage
- Stickers and labels

Physical characteristics

General

| | | |
|-------------------------------|------------------------------|----------------------------|
| Caliper, face film | ISO 534 | 95 micron |
| Caliper, face film & adhesive | ISO 534 | 115 micron |
| Gloss, 20° | DIN 67530 | 60 |
| Dimensional stability | DIN 30646 | 0.5 mm max |
| Tensile strength | ISO 1184 | 26 Mpa (MD) 30 Mpa (CD) |
| Face film elongation | ISO 1184 | 240% (MD) 225% (CD) |
| Adhesion, initial | FINAT FTM-1, stainless steel | 400 N/m |
| Adhesion, ultimate | FINAT FTM-1, stainless steel | 580 N/m |
| Flammability | | Self extinguishing |
| Shelf life | Stored at 22° C/50-55 % RH | 1 year |
| Expected Durability ** | Vertical exposure | up to 1 year (unprinted) |

Thermal

| | |
|-------------------------|------------------|
| Application temperature | Minimum: +10°C |
| Temperature range | - 20°C to + 80°C |

Chemical

Resistant to most petroleum based oils, greases and aliphatic solvents
Resistant to most mild acids, alkalies, and salts

Note:

Solvent and Eco solvent digital printed films must be properly dried and cured before further processing, like laminating, varnishing, trimming, contour cutting or application. The residual solvents can otherwise change the products' specific features and properties.

Test Methods

Dimensional stability:

Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70°C, after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel or float glass panel, 24 hours after the specimen has been applied under standardised conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:

A specimen applied to aluminium is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Important

Information on physical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications.

They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of any material for their specific use.

All technical data is subject to change without prior notice.

Warranty

Avery Dennison® materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give guarantee, warranty, or make any representation contrary to the foregoing.

All Avery Dennison® materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

**Expected Durability

The expected durability of Avery Dennison films are defined as the expected performance life of the Avery Dennison graphic film(s) within the Asia Pacific region, in outdoor vertical exposure conditions.

The actual performance life will depend on a variety of factors, including selection and preparation of substrate, angle and direction of exposure, application methods, environmental conditions and cleaning/maintenance of the films. In case of films used in areas of high temperatures or humidity, high altitudes and industrially polluted areas the performance will be further reduced.

Expected Durability and Warranted Period Definitions

Expected durability is the expected period of time defined in the product data sheet, the product should, but is not warranted to, perform satisfactorily when applied in vertical exposure conditions as defined in Instructional Bulletin 1.30. The warranted period as defined in the appropriate ICS Performance Guarantee Bulletin, is the maximum period of time Avery Dennison will warrant the finished products performance in accordance with ICS Performance Guarantee Terms and Conditions 1.0, provided that the film is properly stored, converted and installed in accordance with Avery Dennison guidelines.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Corrosion Resistance:

A specimen applied to aluminium is exposed to saline mist (5% salt) at 35°C. After exposure, the film is removed and the panel is examined for traces of corrosion.