# **Avery Dennison®** MPI 3202 Promotional
## Gloss White Removable Blockout Promotional Vinyl

### Features

- Good printability and handling through wide format printers
- Grey adhesive provides blockout performance
- Good outdoor durability and performance
- Gloss finish for attractive appearance
- Easy application to a wide variety of substrates
- Good dimensional stability after application
- Good value for money for short term promotional graphics
- Easy and clean removability with heat for up to 6 months
- Covered by general product replacement warranty

### Description

**Film**: 92 micron gloss white monomeric calendered vinyl

**Adhesive**: Grey Removable acrylic
**Removability**: Up to 6 months

**Backing**: One side coated Kraft paper, 140g/m$^2$

**Outdoor life**: Up to 3 years (unprinted)

**Application surface**: Flat

### Conversion+

| | |
|---|---|
| ☐ Flat bed cutters | ☐ **Cold overlaminating** |
| ☐ Friction fed cutters | ☐ Electrostatic printing |
| ☐ Die cutting | ■ **Latex inkjet** |
| ☐ Thermal transfer | ■ **Eco solvent inkjet** |
| ☐ Screen printing | ■ **Solvent inkjet** |
| ☐ Offset printing | ■ **UV curable inkjet** |

+Always test with your combination of printer and inks prior to commercial use.

### Common Applications

- Flat surfaces only
- Real estate signs
- Point of purchase
- Exhibition
- Interior & exterior short term graphics
- Windows

### Application

- Avery Dennison Graphics recommend a maximum total ink limit of 270% to ensure optimal performance
- Refer to: Instructional Bulletins ( IB) IB 4.14 for Printing and finishing of Digital print graphics
  IB 4.06 for Processing Tips for Avery Dennison DOL films to be applied over MPI 3202 film graphics
  IB 1.01, 1.4. 1.18. 1.6 & 1.61 for general surface preparation and flat application methods covering floor and wall graphics

### Uses

Avery Dennison MPI 3202 is a gloss white promotional vinyl designed for use in a wide range of short term promotional and general signage applications where blockout performance, removability and good value for money is required.

## Physical characteristics

# General

| | | |
|---|---|---|
| Calliper, face film | ISO 534 | 92 micron |
| Dimensional stability | DIN 30646 | 0.3 mm max |
| Opacity | ISO 2471 | ≤ 99% |
| Adhesion, initial | FINAT FTM-1, stainless steel | 210 N/m |
| Adhesion, ultimate | FINAT FTM-1, stainless steel | 380 N/m |
| Removability ^ | Smooth OEM painted surfaces | Up to 6 months |
| Flammability | | Self extinguishing |
| Shelf life | Stored at 22° C/50-55 % RH | 2 years |
| Durability ** | Vertical exposure | Up to 3 years (unprinted) |

^ Not removable when applied to nitrocellulose paints, fresh screen print inks, ABS, polystyrene & certain types of PVC

# Thermal

| | |
|---|---|
| Application temperature | Minimum: +10°C |
| Temperature range ( 1 Hr ) ~ | - 40°C to + 100°C |

# Chemical

Resistant to most petroleum based oils, greases and aliphatic solvents

Resistant to most mild acids, alkalies, and salts

# Note:

Materials have to 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.

**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.

****Durability**

Durability is based on exposure conditions in the normal middle European and central North American regions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing north in the southern hemisphere or south in the northern hemisphere; in areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased. Please refer to Avery Dennison Instructional Bulletin 1.3 for definitions and reductions based on the 'Zone System'.

+Compatible with most media and ink combinations. Test prior to use.

***Information unavailable at time of printing.

# 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.

**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 35ºC. After exposure, the film is removed and the panel is examined for traces of corrosion.