

Avery[®] MPI 1900 SC

Gloss White Super Conformable Cast Vinyl Repositionable

Features

- Super conformable face film for excellent conformability to irregular surfaces
- Low initial tack allows easy repositioning of graphic during application
- Excellent printability and handling
- Staflat liner provides easy converting properties
- Outstanding outdoor durability and performance
- Excellent dimensional stability during use
- High gloss finish for superior appearance
- Grey adhesive provides blackout performance

Description



Film: 50 micron super conformable gloss white cast vinyl



Adhesive: Grey repositionable permanent acrylic



Backing: Two side PE coated Staflat paper



Outdoor life: Up to 7 years (unprinted)

Application surface: Flat, simple curves, corrugations, rivets and compound curves

Conversion

- | | |
|---|--|
| <input type="checkbox"/> Flat bed cutters | <input checked="" type="checkbox"/> Cold overlaminate |
| <input type="checkbox"/> Friction fed cutters | <input type="checkbox"/> Water based inkjet |
| <input checked="" type="checkbox"/> Die cutting | <input checked="" type="checkbox"/> Eco Solvent inkjet |
| <input type="checkbox"/> Thermal transfer | <input checked="" type="checkbox"/> Solvent inkjet |
| <input type="checkbox"/> Screen printing | <input checked="" type="checkbox"/> UV Cured inkjet* |

Common Applications

- Flat sided trucks
- Corrugated trucks
- Cars and vans
- Buses
- Trains and light rail
- Architectural signage
- Marine
- Outdoor advertising

Application

- Avoid over stretching during application to deep recessed areas of vehicles
- Wet application method is not recommended
- Refer to Instructional bulletins 1.14, 1.16, 1.17 & 4.14 for printing and application instructions

Uses

Avery MPI 1900 SC is a premium cast film designed for use in large decals such as architectural, transportation and general signage applications where conformability, durability, high opacity and superior outdoor performance is required.

Digital Media

Product Data Sheet



Physical characteristics

General

| | | |
|------------------------------|------------------------------|-------------------------|
| Caliper, facefilm | ISO 534 | 50 micron |
| Caliper, facefilm & adhesive | ISO 534 | 80 micron |
| Dimensional stability | DIN 30646 | 0.4 mm max |
| Elongation | DIN 53455 | > 100% |
| Adhesion, initial | FINAT FTM-1, stainless steel | 540 N/m |
| Adhesion, ultimate | FINAT FTM-1, stainless steel | 720 N/m |
| Flammability | | Self extinguishing |
| Shelf life | Stored at 22° C/50-55 % RH | 1 year |
| Durability** | Vertical exposure | Up to 7 years unprinted |

Thermal

| | |
|-------------------------|------------------|
| Application temperature | Minimum: + 10°C |
| Temperature range | - 40°C to + 80°C |

Chemical

Resistant to most petroleum based oils, greases and aliphatic solvents
Resistant to most mild acids, alkalis 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.

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® 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® 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

The durability is based on Australian exposure conditions. 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 areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased.

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

***Information unavailable at time of printing.

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