

PRODUCT DATA SHEET



Avery® MPI™ 1005 Supercast

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Introduction

Avery Multi-Purpose Inkjet vinyl 1005 Supercast is a gloss white premium quality self-adhesive cast vinyl, highly conformable and opaque. It is suitable for use on a variety of super wide format inkjet printers using solvent-, eco solvent, UV- or latex ink.

Because of the film's excellent durability and conformability, Avery MPI 1005 Supercast is highly recommended for applications on rivets and corrugations and/or prolonged outdoor use.

The adhesive is designed to have a permanent adhesion, but allows clean removal at the end of the graphic life by just using a professional heatgun.

Description

Film : 53 micron gloss white cast vinyl
Adhesive : permanent, acrylic based grey adhesive system
Backingpaper : tissue back liner

Conversion

Avery MPI 1005 Supercast is a multi-purpose vinyl, developed for use on various super wide format printers using solvent, eco solvent, UV- or latex inks.

In Avery Technical Bulletin 5.15, printer compatibility details of Avery MPI media are listed.

To enhance colour and protect images against UV radiation and abrasion, Avery MPI 1005 Supercast is recommended to be protected using an overlamine or varnish.

In the event of the final graphic being used on corrugated vehicles or substrates, the use of a varnish is recommended.

Please note that overlamination of Avery MPI 1005 Supercast with DOL films will negatively influence the conformability of the total construction.

For recommended combinations of DOL films and media, please refer to "[Technical Bulletin 5.3. Recommended combinations of Avery® Overlaminates and Avery® Digital Print Media](#)".

For information on how to apply Avery MPI Cast Films, please refer to "[Technical Bulletin 5.9. Application methods for Avery Cast Films](#)".

Uses

- Vehicle graphics.
- Interior & exterior signs.
- Window decoration.
- Durable promotional and point of sale advertising.
- All permanent applications requiring conformability.

Features

- Offers clean removal at the end of the graphic life.
- Full opacity.
- Excellent printability and handling on selected printers.
- Outstanding durability and outdoor performance.
- Excellent conformability to irregular substrates.
- Superior high gloss appearance.



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PRODUCT CHARACTERISTICS

Avery® MPI™ 1005 Supercast

Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	53 micron
Caliper, facefilm + adhesive	ISO 534	80 micron
Elongation	DIN 53455	> 100 %
Dimensional stability	DIN 30646	0.4 mm max.
Adhesion, initial	FINAT FTM-1, stainless steel	490 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	770 N/m
Flammability		Self-extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability, unprinted	Vertical exposure	10 years

Temperature range

Features	Results
Minimum application temperature:	+10 °C
Service temperature:	- 40 °C to + 80 °C

Important

Information on physical and chemical 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 this material to their specific use. All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of these Conditions, the English version shall be controlling.

Warranty

Avery® branded 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 any guarantee, warranty, or make any representation contrary to the foregoing. All Avery® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

1) Test methods

More information about our test methods can be found on our website.

2) Durability

The durability is based on middle European 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 south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.



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