

## PRODUCT DATA SHEET

### Avery Dennison® MPI™ 2006 Hi-Tack

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#### Introduction

Avery Dennison Multi Purpose Inkjet 2006 Hi-Tack is a gloss, white polymeric self-adhesive vinyl. Due to its special adhesive it is suitable for difficult to adhere to surfaces such as low surface energy substrates (eg. HDPE or PP) and matt interior painted walls.

Avery Dennison MPI 2006 Hi-Tack is highly recommended for a wide range of applications on flat and slightly curved substrates.

#### Description

Film	:	80 micron gloss white polymeric vinyl
Adhesive	:	Permanent, acrylic based; designed for low-surface energy substrates
Backing paper	:	StaFlat liner, 145 g/m <sup>2</sup>

#### Conversion

MPI 2006 Hi-Tack is a multi-purpose vinyl, developed for use on various super wide format printers using hard solvent, eco/mild solvent, UV-curing or latex inks.

To enhance colour and to protect images against UV radiation and abrasion, it is recommended to protect Avery Dennison MPI 2006 Hi-Tack using an overlamine or varnish.

For recommended combinations of DOL films and media, please refer to "Technical Bulletin 5.3. Recommended combinations of Avery Dennison® Overlaminates and Avery Denison® Digital Print Media".

#### Uses

Avery Dennison MPI 2006 Hi-Tack is recommended for a variety of applications to flat or slightly curved low-energy surfaces, such as

- Vehicle graphics
- Architectural interior & exterior signs
- Promotional and point of sale advertising
- Exhibitions

#### Features

- Excellent printability and handling on selected printers
- Outstanding adhesion to low energy surfaces, a solution for PP, PE and PU substrates
- Prolonged outdoor durability of up to 7 years unprinted
- High gloss, matt or lustre finishes\*

\* when used in combination with DOL 2000 Gloss, DOL 2100 Matt or DOL 2200 Lustre overlaminates.



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**PRODUCT CHARACTERISTICS**
**Avery Dennison® MPI™ 2006 Hi-Tack**
**Physical properties**

Features	Test method <sup>1</sup>	Results
Caliper, facefilm	ISO 534	80 micron
Caliper, facefilm + adhesive	ISO 534	120 micron
Dimensional stability	FINAT FTM 14	0.3 mm max
Adhesion, initial	FINAT FTM-1, stainless steel	940 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	1050 N/m
Adhesion, initial	HDPE	490 N/m
Adhesion, ultimate	HDPE	525 N/m
Flammability		Self-extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability, unprinted	Vertical exposure	7 years

**Temperature range**

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

**NOTE:** Materials have to be properly dried before further processing, for example laminating, varnishing or application. The residual solvents could change the products' specific features.

For good print and converting result we recommend to let the rolls acclimatize in the print/lamination room at least 24 before printing or converting. Too much temperature or humidity deviation between material and room climate can cause layflatness and/or printability issues.

Generally, constant material storage conditions of ideally 20°C (+/-2°C) /50% rh (+/- 5%), without too big climate deviations, will support a more robust and stable printing/converting process. For further details, please refer to TB 1.11.

**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 Dennison® 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 Dennison® 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.