PRODUCT DATA SHEET

Avery Dennison® MPI™ 2150 Translucent

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Introduction
Avery Dennison Multi Purpose Inkjet 2150 is a lustre white translucent PVC film with a permanent adhesive, recommended for use on flat to slightly curved surfaces.

Description

Film:	90 micron white translucent PVC film.
Adhesive:	Permanent, clear acrylic based.
Backing:	two sides polyethylene coated kraft paper, 140g/m².

Conversion
Avery Dennison MPI 2150 is a multi-purpose vinyl, developed for use on various super wide format printers using solvent-, eco/mild solvent-, UV curable and latex inks.
To enhance colour and protect images against UV radiation and abrasion, Avery Dennison MPI 2150 is recommended to be overlaminated with Avery Dennison DOL 2400 series.

Uses
- Graphics for internally illuminated signs.
- Window decorations and graphics.

Features
- Excellent printability and handling on selected printers.
- Easy conversion because of dimensionally stable special backing.
- Excellent colour uniformity in reflected and transmitted light.
- Excellent durability.
- Excellent adhesion.

Note
The durability of a printed image always depends on the toner/ink, film, used overlaminate, processing and exposure conditions.

PRODUCT CHARACTERISTICS

Avery Dennison® MPI™ 2150

Physical properties

Features	Test method[1]	Results
Caliper, facefilm	ISO 534	90 micron
Caliper, facefilm + adhesive	ISO 534	125 micron
Dimensional stability	FINAT FTM 14	0.3 mm max.
Tensile strength	DIN 53455	27 N/mm²
Gloss	ISO 2813, 20º	15%
Adhesion, initial	FINAT FTM-1, stainless steel	±70% of the ultimate values
Adhesion, ultimate	FINAT FTM-1, stainless steel	
	PMMA	900 N/m
	Glass	860 N/m
	Polystyrene	900 N/m
	Stainless steel	900 N/m
Flammability		self-extinguishing
Shelf life	Stored at 23^{0}C/50-55% RH	2 years
Durability	Vertical exposure	7 years

Temperature range

Features	Test method[1]	Results
Min. application temperature		≥+10°C
Service temperature		-50°C to +110°
Heat resistance	3 weeks exposure at 80 ºC	No negative impact on film Performance

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 24h. 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
All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes.
All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see http://terms.europe.averydennison.com

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, for non-static applications (vehicles). Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of static signs facing south, west, or southwest, in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.