

# Product Data Bulletin

MPI 3400 Series Calendered Film (Revision 1)

Dated: 09/13/01

## Description:

Avery Dennison™ MPI 3400 Series is a tough, scuff-resistant, flexible, white calendered vinyl film. MPI 3400 offers an economical choice for applications requiring a calendered film with removable adhesive. MPI 3400 / R196 can also be used for backlit applications. For equipment / material compatibility, durability, processing tips, warranted inks or recommended clear coats and overlaminates reference Instructional Bulletins #5.30, #5.80 and #5.91.

## Construction:

### MPI 3401

<b>Face Film:</b>	3.4 mil (86 m) flexible, matte calendered vinyl film
<b>Adhesive:</b>	R-196, removable, clear, acrylic pressure-sensitive
<b>Release Liner:</b>	90# StaFlat

### MPI 3402

<b>Face Film:</b>	3.4 mil (86 m) flexible, matte calendered vinyl film
<b>Adhesive:</b>	R-197, removable, gray, acrylic pressure-sensitive
<b>Release Liner:</b>	90# StaFlat

## Physical Properties:

The following information on physical and chemical characteristics is based upon tests believed to be reliable. The values are intended only as a source of information. They are given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of this material for his/her specific purpose (Data represents averages and is not intended for use as a specification).

<b>Recommended Print Method:</b>	Solvent Inkjet. Reference IB #5.80 for printer/media compatibility.
<b>Outdoor Durability:</b>	Up to 2 years when properly processed and applied (vertical exposure, unprinted film).
<b>Removability :</b>	1 year removability from most smooth sound OEM surfaces with little or no adhesive residue
<b>Minimum Surface/Ambient Air Application Temperature:</b>	40° F (4° C)
<b>Application Surface:</b>	Flat or simple curves
<b>Service Temperature Range:</b>	-40° F to 176° F (-40° C to 80° C) (Reasonable range of temperatures which would be expected under normal environmental time and temperature conditions)
<b>Typical Film Caliper (w/adhesives):</b>	4.4 mils (112 µm)
<b>Chemical Resistance:</b>	Resistant to most mild acids, alkalies and salt solutions
<b>Shelf Life:</b>	One year when stored at the following temperatures and humidity conditions 68°-77° F (20° - 25° C) and 50±5% R. H.



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<b>Dimensional Stability</b>	Good. Determined by measuring shrinkage of film applied to 35 in. <sup>2</sup> (232 cm <sup>2</sup> ) aluminum test panel after 72 hrs. aging at 73° F (23° C) and 50±5% R. H. followed by 48 hrs. at 150° F (65°C)	
<b>Typical Adhesion:</b>	<b>180° Peels</b>	
	<b>Substrate</b>	<b>15 min</b>
	<b>24 hrs</b>	
	<b>Stainless Steel</b>	2.0 lbs/in (350 N/m)
		2.1 lbs/in (368 N/m)
	NOTE: Tested per ASTM 1000. Always pre-test your specific substrate prior to actual application.	

*Revisions have been italicized.*

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