

# Product Data Bulletin

DOL 1000 Gloss Clear Cast Vinyl (Revision 4)

Dated: 12/04/01

## Description:

Avery Dennison™ DOL 1000 Gloss Clear Cast Vinyl is a premium quality, flexible, high gloss vinyl film designed for use as a protective overlamine film for screen printed and digital printed decals. DOL 1000 Gloss films offer exceptional value for applications requiring glossy colors and durability.

## Construction:

<b>Face Film:</b>	2.1 mil (53 mm) clear, high gloss, premium, cast vinyl film
<b>Adhesive:</b>	S-652 permanent, clear, acrylic, pressure-sensitive
<b>Release Liner:</b>	78# Bleached Kraft

## 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>Outdoor Durability:</b>	Up to 5 years when properly processed and applied (vertical exposure, unprinted film). Reference IB #5.30.									
<b>Minimum Surface/Ambient Air Application Temperature:</b>	40° F (5° C)									
<b>Application Surface:</b>	Flat, Flat with Rivets									
<b>Service Temperature Range:</b>	-40° F to 180° F (-40° C to 82° C) (Reasonable range of temperatures which would be expected under normal environmental time and temperature conditions)									
<b>Typical Film Caliper (w/adhesives):</b>	3.1 mils (79 µm)									
<b>Chemical Resistance:</b>	Resistant to most petroleum based oils, greases and aliphatic solvents. Resistant to mild acids, alkalies, salts									
<b>Typical Adhesion Values:</b>	<p style="text-align: center;"><b>180° Peel</b></p> <table border="1"><thead><tr><th><i>Substrate</i></th><th><i>15 min</i></th><th><i>24 hrs</i></th></tr></thead><tbody><tr><td><i>Stainless Steel</i></td><td><i>3.0 lb/in</i></td><td><i>4.0 lb/in</i></td></tr><tr><td></td><td><i>(525 N/m)</i></td><td><i>(700 N/m)</i></td></tr></tbody></table> <p><i>NOTE: Tested per ASTM 1000. Always pre-test your specific substrate prior to actual application.</i></p>	<i>Substrate</i>	<i>15 min</i>	<i>24 hrs</i>	<i>Stainless Steel</i>	<i>3.0 lb/in</i>	<i>4.0 lb/in</i>		<i>(525 N/m)</i>	<i>(700 N/m)</i>
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<b>Shelf Life:</b>	One year when stored at temperatures and humidity conditions, 73° F (23° C) 50±5% R. H.									
<b>Tensile at Yield:</b>	4 .0 to 8.0 lb/in. <sup>2</sup> (0.3 to 0.6 kg/cm <sup>2</sup> )									
<b>Elongation:</b>	100% minimum									



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<b>Dimensional Stability:</b>	Less than 0.015 in. (0.4 mm) shrinkage determined by shrinkage of unprinted film applied to 36 in. <sup>2</sup> (232 cm <sup>2</sup> ) aluminum test panel after 72 hours aging at 73° F (23° C) 50±5% R.H. followed by 48 hours at 150° F (65° C)
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*Revisions have been italicized.*

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