



# Avery Dennison TruelImpact Intermediate TOL 7000 Series

## Sustainable overlaminate film for indoor applications

Revision number: 1.4 Date: 15.10.2013

### DESCRIPTION:

Avery Dennison® TruelImpact™ TOL 7060 and 7080 are PVC-free overlaminating films designed to be compatible with Avery Dennison TMP 7000 digital and screen printable films. These flexible films provide protection and durability for up to 5 years in indoor applications and are available in a gloss or matte finish.

**Finishes:** TOL 7060 – Gloss  
TOL 7080 – Matte

### FEATURES:

- > More sustainable alternative to traditional self-adhesive PVC® films
- > Release liner base is SFI certified
- > Complies to fire certification for flame propagation, smoke density and toxicity
- > Gloss or matte finish
- > Enhances color and depth of printed image
- > Provides durability against UV, abrasion, chemicals
- > Anti-graffiti and easy to clean
- > Provides body weight to overall graphic – aids in installation and removal
- > Excellent dimensional stability
- > Avery Dennison Greenprint Life Cycle Analysis data available (ISO 14040)



**Film thickness:** 2.5 mil (62 microns)



**Adhesive:** Permanent Acrylic



**Liner:** 78 # (125g/m<sup>2</sup>) bleached kraft



**Durability:**

Indoor - up to 5 years  
Outdoor - up to 3 years

**Application Surfaces:**

Flat, simple curves

### CONVERSION:

Avery Dennison TOL 7000 overlaminates are formulated to be used in combination with Avery Dennison TMP 7000 series printable films and are recommended for the following conversion techniques and applications.

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Thermal Die-Cutting  | <input checked="" type="checkbox"/> Steel Rule Die-Cutting |
| <input checked="" type="checkbox"/> Flat Bed Sign-Cut    | <input checked="" type="checkbox"/> Cold Overlaminating    |
| <input checked="" type="checkbox"/> Drum Roller Sign-Cut |  |

### COMMON APPLICATIONS:

- |   |   |
|---|---|
| <input type="checkbox"/> Fleet                  | <input checked="" type="checkbox"/> POP/ Tradeshow  |
| <input type="checkbox"/> Vehicle                | <input checked="" type="checkbox"/> Window Graphics |
| <input type="checkbox"/> Marine/ Watercraft     | <input type="checkbox"/> Outdoor Signage            |
| <input type="checkbox"/> Backlit Signs          | <input type="checkbox"/> Floor Graphics             |
| <input checked="" type="checkbox"/> Wall Murals |   |

For typical information on the application of Avery Dennison TMP 7000 Films, please refer to "Technical Bulletin on Printing, Processing and Application instructions of Avery Dennison TruelImpact 7000 series films".



**PHYSICAL CHARACTERISTICS:**

Property	Value
Caliper, face	2.5 mil (62 µm)
Caliper, adhesive	1.0 mil (25 µm)
Dimensional stability	<0.015" (0.4 mm)
Tensile at yield	7 lbs/in (1220 N/m)
Elongation	300%
Gloss (Hunter gloss @ 60°)	85 ± 5 (gloss) 10 ± 5 (matte)
Adhesion: 15 min. Adhesion: 24 hrs	Permanent 3.0 lbs/in (525 N/m) 4.5 lbs/in (780 N/m)
Shelf-life	1 year
Durability	Up to 5 years (vertical indoor) Up to 3 years (vertical outdoor)
Service temperature	-40° to 180°F (-40° to 82° C) (Reasonable range of temperatures which would be expected under normal environmental conditions).
Chemical resistance	Resistant to most mild acids, alkalis, and salt solutions.
Flammability Flame propagation Smoke density and toxicity	EN13501-1, B-s1, d0, ASTM E84 Class 1 rating BS6853:1999 Annex D.8.4, Annex B-2

**COMPLIANCE**

Avery Dennison TruelImpact is a sustainable product line that complies with major regulatory requirements around the world and is designed with safety in mind, avoiding significant chemicals of concern:

**Complies with Major Global Product Regulations:**

- No REACH Candidate List Chemicals
- No RoHS regulated substances
- Fire Safe – Meets ASTM E84 Class 1 for fire and smoke generation, EN13501-1, B-s1, d0. Meets BS6853:1999 Annex D.8.4, Annex B-2 for smoke density and toxicity
- Liner is SFI certified







**Does Not Contain Chemicals of Significant Concern:**

- No PVC
- No Phthalates

Environmentally Conscious Production – made at facilities certified under ISO 14001 for having a strong environmental management program.

**AVERY DENNISON GREENPRINT - LIFE CYCLE ASSESSMENT DATA FOR TMP 7000/TOL 7000 COMBINATION**

Our Life Cycle Assessment data can be simply presented using Avery Dennison Greenprint format - allowing comparison between our new films and existing PVC based films across key environmental factors. Results are product specific and generally exhibit a trade off in benefits across various factors - but overall show environmental benefits in energy, GHG and solid waste.

	 Fossil Material	 Trees	 Water	 Energy	 GHG	 Solid waste
Difference	0.016	0.005	105	(484)	(0.027)	(0.003)
Impact	16% More	2% More	7% More	9% Less	12% Less	13% Less
Based on 50y x 54" roll*	BARRELS OF OIL	TREES	LITERS	MJ	TONNES CO <sup>2</sup> -E	TONNES

\* TMP 7000 and TOL 7060



Created for brand-owners, architects, fleet-owners and sign-makers, Avery Dennison TruelImpact products are genuine, measurable sustainable alternatives for self-adhesive graphics applications through quantifiable improvements based on Life Cycle Assessment results tested with industry partners in real-life environments.

**Important:** Information on physical and chemical characteristics are based on tests believed to be reliable. The values are intended only as a source of information. This information is given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of any material for their specific purpose. (Data represents average values where applicable, and is not intended for specification purposes)  
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